

Preview of the new Web site of the UniProt consortium

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Search in any of our databases or documentation:

Use the query builder to help you choose constraints to add to the query:

Browse results e.g. by enzyme class:

Oxidoreductases (1.-.-.) [+]	9
Transferases (2.-.-.) [+]	46
Hydrolases (3.-.-.) [+]	42
Carboxy-lyases (4.1.1.-) [+]	2
Intramolecular oxidoreductases (5.3.-.-.) [+]	2
Ligases (6.-.-.) [+]	5

Supporting Information

- Protein Knowledgebase (UniProtKB)
- Sequence Clusters (UniRef)
- Sequence Clusters (UniParc)
- Literature citations
- Taxonomy
- Keywords
- Names
- Documents
- FAQ
- Help

Simple query syntax supports boolean operators, wildcards, phrases and more.

Change the columns that are shown (and exported)

Columns

- Accession
- Entry Name
- Status
- Protein Names
- Genes
- Organism
- Length

Rows

- Easy name
- UniProt ID
- Protein names
- Organism
- Length

Quick access to tools for blasting, aligning and mapping sequences.

Suggestions help narrow down the search.

1 – 10 of 448 results for taxonomy:"Homo sapiens (Human) [9606]" AND insulin* in UniProtKB sorted by score descending²⁴

Show only reviewed ★ (UniProtKB/Swiss-Prot) or unreviewed ★ (UniProtKB/Trembl) entries

Restrict term "insulin*" to protein family, gene ontology, protein name, strain, taxonomy, tissue, web resource

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Accession	Entry Name	Status	Protein Names	Genes	Organism	Length
P06213	INSR_HUMAN	★	Insulin receptor precursor (EC 2.7.10.1) (IR) (CD220 antigen) [Cleaved into: Insulin receptor subunit alpha; Insulin receptor subunit beta]	INSR	Homo sapiens (Human)	1,382
P35568	IRS1_HUMAN	★	Insulin receptor substrate 1 (IRS-1)	IRS1	Homo sapiens (Human)	1,242
P01308	INS_HUMAN	★	Insulin precursor [Cleaved into: Insulin B chain; Insulin A chain]	INS	Homo sapiens (Human)	110
P01344	IGF2_HUMAN	★	Insulin-like growth factor II precursor (IGF-II) (Somatomedin A) [Cleaved into: Insulin-like growth factor I Alu 2A-25 Del]	IGF2 (PPI446)	Homo sapiens (Human)	180
P01343	IGF1A_HUMAN	★	Insulin-like growth factor IA precursor (IGF-IA) (Somatomedin C) (Mechano growth factor) (MGF)	IGF1 (IPB1)	Homo sapiens (Human)	153
P08069	IGF1R_HUMAN	★	Insulin-like growth factor I receptor precursor (EC 2.7.10.1) (Insulin-like growth factor I receptor) (IGF-I receptor) (CD221 antigen) [Cleaved into: Insulin-like growth factor I receptor alpha chain; Insulin-like growth factor I receptor beta chain]	IGF1R	Homo sapiens (Human)	1,367
P05019	IGF1B_HUMAN	★	Insulin-like growth factor IB precursor (IGF-IB) (Somatomedin C) (Mechano growth factor) (MGF)	IGF1 (IPB2)	Homo sapiens (Human)	195
P51460	INSL3_HUMAN	★	Insulin-like 3 precursor (Leydig insulin-like peptide) (Ley-1-L) (Relin-like factor) (Cleaved into: Insulin-like 3 B chain; Insulin-like 3 A chain)	INSL3 (RNLU7) (RNLU)	Homo sapiens (Human)	131
P08833	IBP1_HUMAN	★	Insulin-like growth factor-binding protein 1 precursor (IGFBP-1) (IBP-1) (IGF-binding protein 1) (Placental protein 12) (PP12)	IGFBP1 (IPB1)	Homo sapiens (Human)	259
P14672	GTR4_HUMAN	★	Solute carrier family 2, facilitated glucose transporter member 4 (Glucose transporter type 4, insulin-responsive) (GLUT-4)	SLC2A4 (GLUT4)	Homo sapiens (Human)	509

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Retrieval | Align | Blast | Clear

3 selected: P06213²⁴ P01308²⁴ P35568²⁴

Cluster: Insulin precursor [Contains: Insulin B chain; Insulin A chain] (99%)
Updated May 21, 1996

Build on database P35568

10 members from 1 organisms

Member	Status	Protein Name(s)	Organism	Length	Component Cluster
P06213	★	Insulin receptor precursor (Cleaved into: Insulin B chain; Insulin A chain)	Homo sapiens (Human)	110	Unclust100_P06213
Q9YK31		Insulin precursor (Cleaved into: Insulin B chain; Insulin A chain)	Homo sapiens (Human)	110	Unclust100_P06213
Q9E2X2		Proteins	Homo sapiens (Human)	110	Unclust100_P06213
Q9E2X3		Proteins	Homo sapiens (Human)	60	Unclust100_P06213
Q9E2X4		Insulin	Homo sapiens (Human)	110	Unclust100_P06213
P39607		Insulin precursor (Cleaved into: Insulin B chain; Insulin A chain)	Conceptus sethupathi (Green monkey)	110	Unclust100_P39607
P39608		Insulin precursor (Cleaved into: Insulin B chain; Insulin A chain)	Macaca fasciata (Crab-eating macaque)	110	Unclust100_P39608
P39610		Insulin precursor (Cleaved into: Insulin B chain; Insulin A chain)	Fer tigris (Tiger)	110	Unclust100_P39610
Q9WAV2		Insulin precursor (Cleaved into: Insulin B chain; Insulin A chain)	Porcine (Sus scrofa)	110	Unclust100_Q9WAV2

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Sequence UP100000017EA

Custom display

Found in 16 databases: Protein Resource Foundation (PRF), International Database in Enzymology (IDE), UniProtKB, Kerfet, European Bioinformatics Institute (EMBL), Swiss-Prot, European Patent Office (EPO), IRS-PRO, International Protein Index (IPI), Trembl, EMBL Annotated CONs and EMBL COG

Hide inactive entries (26)

Database	Entry	Version	First Seen	Last Seen	Active
EMBL CDS	AAN09535	1	2003-03-12	2007-05-20	Yes
EMBL CDS	ABD7282	1	2007-01-23	2007-05-20	Yes
EMBL CDS	AAH05255	1	2003-03-12	2007-03-28	Yes
Vega	OTTHU90000001164		2005-12-02	2007-02-15	Yes
Vega	OTTHU90000001162		2005-12-02	2007-02-15	Yes
Protein Research Foundation (PRF)	0601246A	1	2005-11-28	2007-06-11	Yes
EMBL Annotated CONs	FAX02488	1	2007-01-15	2007-06-12	Yes

Sequence P01308

Length: 110 Mass (Da): 11,981

Checksum: C3C830B8E520E5

MALMPLIF LALLALGK PAAFPWVQ QESLKVY LVECPY TPTFREED

Q9E2X2 Q9E2X3 Q9E2X4 P39607 P39608 P39610 Q9WAV2

Length: 110 Mass (Da): 11,981

Checksum: Q5C30B8E520E5

MALMPLIF LALLALGK PAAFPWVQ QESLKVY LVECPY TPTFREED

Q9E2X2 Q9E2X3 Q9E2X4 P39607 P39608 P39610 Q9WAV2

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http://beta.uniprot.org/uniref/P01308 (.xml|.rdf|.fasta)

http://beta.uniprot.org/uniparc/UP100000017EA (.xml|.rdf|.fasta|.tab)

We'd like to hear from you! Questions or suggestions? Talk to us at this conference or contact us via help@uniprot.org.

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