

Product datasheet for **TP723825**

IL11 (NM_000641) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human interleukin 11 (IL11)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	Human IL-11, 180 the region of Val20-Leu199, from gene Accession# P20809.1
Tag:	Tag Free
Predicted MW:	19.3 kDa
Concentration:	lot specific
Purity:	>98%, as determined by Coomassie stained SDS-PAGE.
Buffer:	1 x PBS
Bioactivity:	The ED50 is 4-12 ng/ml, corresponding to a specific activity 8.3×10^4 - 2.5×10^5 units/mg, determined by a dose-dependent stimulation of 7TD1 cells proliferation.
Endotoxin:	Less than 0.01 ng per μ g protein as determined by the LAL method
Storage:	Store at -80°C.
Stability:	Unopened vial can be stored between 2°C and 8°C for up to 2 weeks, at -20°C for up to 6 months, or at -70°C or below until the expiration date. Aliquots can be stored between 2°C and 8°C for up to one week and stored at -20°C or colder for up to 3 months. Avoid repeated freeze/thaw cycles.
RefSeq:	NP_000632
Locus ID:	3589
UniProt ID:	P20809 , A8K3F7
RefSeq Size:	2381
Cytogenetics:	19q13.42
RefSeq ORF:	597
Synonyms:	AGIF; IL-11



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Summary:	The protein encoded by this gene is a member of the gp130 family of cytokines. These cytokines drive the assembly of multisubunit receptor complexes, all of which contain at least one molecule of the transmembrane signaling receptor IL6ST (gp130). This cytokine is shown to stimulate the T-cell-dependent development of immunoglobulin-producing B cells. It is also found to support the proliferation of hematopoietic stem cells and megakaryocyte progenitor cells. Alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq, Jun 2012]
Protein Families:	Druggable Genome, Secreted Protein
Protein Pathways:	Cytokine-cytokine receptor interaction, Hematopoietic cell lineage, Jak-STAT signaling pathway