

Product datasheet for **TP723221**

IL23 (p19+p40) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human interleukin 23 (p19+p40).
Species:	Human
Expression Host:	Hi-5 insect
Expression cDNA Clone or AA Sequence:	Recombinant IL-23 is a 53.5 kDa heterodimeric protein consisting of two subunits, p19 (170 amino acids) and p40 (306 amino acids). p19 Subunit: RAVPGGSSPA WTQCQQLSQK LCTLAWSAHP LVGHMDLREE GDEETTNDVP HIQCGDGDGP QGLRDNSQFC LQRIHQGLIF YEKLLGSDIF TGEPSLLPDS PVGQLHASLL GLSPLLQPEG HHWETQQIPS LSPSQPWQRL LLRFKILRSL QAFVAVAARV FAHGAATLSP p40 Subunit: IWELKKDVYV VELDWYPDAP GEMVLTCDT PEEDGITWTL DQSSEVLGSG KTLTIQVKEF GDAGQYTCHK GGEVLSHSLLL LHKKEDGIW STDILKDQKE PKNKTLRCE AKNYSGRFTC WWLTTISTDL TFSVKSSRGS SDPQGVTCGA ATLSAERVRG DNKEYEYSVE CQEDSACPAE EESLPIEVMV DAVHKLKYEN YTSSFFIRDI IKPDPPKNLQ LKPLKNSRQV EVSWEYPDTW STPHSYFSLT FCVQVQGKSK REKKDRVFTD KTSATVICRK NASISVRAQD RYYSSSWSEW ASVPCS
Tag:	Tag Free
Predicted MW:	53.5 kDa
Concentration:	lot specific
Purity:	>95% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	Lyophilized from a 0.2 μM filtered solution of 20mM phosphate buffer, 100mM NaCl, pH 7.2
Bioactivity:	Measured by its ability to induce IL-17 secretion by mouse splenocytes. Co-immunoprecipitation (PMID: 27019190)
Endotoxin:	Endotoxin level is < 0.1 ng/μg of protein (< 1 EU/μg)
Storage:	Store at -80°C.
Stability:	Stable for at least 6 months from date of receipt under proper storage and handling conditions.
RefSeq:	NP_057668
Locus ID:	51561
UniProt ID:	Q9NPF7



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RefSeq Size:	1049
Cytogenetics:	12q13.3
RefSeq ORF:	567
Synonyms:	IL-23; IL-23A; IL23P19; P19; SGRF
Summary:	<p>This gene encodes a subunit of the heterodimeric cytokine interleukin 23 (IL23). IL23 is composed of this protein and the p40 subunit of interleukin 12 (IL12B). The receptor of IL23 is formed by the beta 1 subunit of IL12 (IL12RB1) and an IL23 specific subunit, IL23R. Both IL23 and IL12 can activate the transcription activator STAT4, and stimulate the production of interferon-gamma (IFNG). In contrast to IL12, which acts mainly on naive CD4(+) T cells, IL23 preferentially acts on memory CD4(+) T cells. [provided by RefSeq, Jul 2008]</p>
Protein Families:	Druggable Genome, Secreted Protein
Protein Pathways:	Cytokine-cytokine receptor interaction, Jak-STAT signaling pathway