

Product datasheet for **TP723219**

IL22 (NM_020525) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human interleukin 22 (IL22).
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MAPISHCRL DKSNFQQPYI TNRTFMLAKE ASLADNNTDV RLIGEKLFGH VSMSERCYLM KQVLNFTLEE VLFPSDRFQ PYMQEVVPL ARLSNRLSTC HIEGDDLHIQ RNVQKLKDTV KKLGESGEIK AIGELDLLFM SLRNACI
Tag:	Tag Free
Predicted MW:	33.6 kDa
Concentration:	lot specific
Purity:	>95% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	Lyophilized from a 0.2 μ M filtered solution of 20mM phosphate buffer, 100mM NaCl, pH 7.2
Bioactivity:	Assay #1: Determined by its ability to activate STAT following receptor ligand interaction. Assay #2: Measured by its ability to induce IL-10 secretion in COLO 205 (human colon carcinoma cells). The expected ED50 for this effect is 0.7- 1.0 ng/ml.
Endotoxin:	Endotoxin level is < 0.1 ng/ μ g of protein (< 1 EU/ μ g)
Storage:	Store at -80°C.
Stability:	Stable for at least 6 months from date of receipt under proper storage and handling conditions.
RefSeq:	NP_065386
Locus ID:	50616
UniProt ID:	Q9GZX6
RefSeq Size:	1147
Cytogenetics:	12q15
RefSeq ORF:	537
Synonyms:	IL-21; IL-22; IL-D110; IL-TIF; ILTIF; TIFa; TIFIL-23; zcyto18



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Summary: This gene is a member of the IL10 family of cytokines that mediate cellular inflammatory responses. The encoded protein functions in antimicrobial defense at mucosal surfaces and in tissue repair. This protein also has pro-inflammatory properties and plays a role in in the pathogenesis of several intestinal diseases. [provided by RefSeq, Jul 2018]

Protein Families: Druggable Genome, Secreted Protein, Transmembrane

Protein Pathways: Cytokine-cytokine receptor interaction, Jak-STAT signaling pathway

Product images:

