

## Product datasheet for **TP723717**

### IL22 (NM\_020525) Human Recombinant Protein

#### Product data:

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Purified recombinant protein of Human interleukin 22 (IL22)
<b>Species:</b>	Human
<b>Expression Host:</b>	E. coli
<b>Expression cDNA Clone or AA Sequence:</b>	Human IL-22, the region of Ala34-Ile179, from gene Accession# NM_020525
<b>Tag:</b>	Tag Free
<b>Predicted MW:</b>	16.9 kDa
<b>Concentration:</b>	lot specific
<b>Purity:</b>	Purity is >98%, as determined by Coomassie stained SDS-PAGE.
<b>Buffer:</b>	10 mM NaH <sub>2</sub> PO <sub>4</sub> , 150 mM NaCl, pH 7.2
<b>Bioactivity:</b>	The ED <sub>50</sub> is 0.062-0.177 ng/ml, corresponding to a specific activity of 1.61-0.56 X10 <sup>7</sup> units/mg, determined by a dose dependent stimulation of human Colo205 cells in production of IL-10.
<b>Endotoxin:</b>	Less than 0.01 ng per ug protein as determined by the LAL method
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	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.
<b>RefSeq:</b>	<a href="#">NP_065386</a>
<b>Locus ID:</b>	50616
<b>UniProt ID:</b>	<a href="#">Q9GZX6</a>
<b>RefSeq Size:</b>	1147
<b>Cytogenetics:</b>	12q15
<b>RefSeq ORF:</b>	537
<b>Synonyms:</b>	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 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:**

