

## Product datasheet for PH309995

### IL22 (NM\_020525) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	IL22 MS Standard C13 and N15-labeled recombinant protein (NP_065386)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC209995
Predicted MW:	20 kDa
Protein Sequence:	>RC209995 protein sequence Red=Cloning site Green=Tags(s)  MAALQKSVSSFLMGTLATSCLLLLALLVQGGAAAPISSHCRDKSNFQQPYITNRTFMLAKEASLADNNT DVRLIGEKLFGVSMSECYLMKQVLNFTLEEVLFPQSDRFQPYMQEVVPPFLARLSNRLSTCHIEGDDLH IQRNVQKLIKDTVKKLGESGEIKAIGELDLLFMSLRNACI  TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<a href="#">NP_065386</a>
RefSeq Size:	1147
RefSeq ORF:	537
Synonyms:	IL-21; IL-22; IL-D110; IL-TIF; ILTIF; TIFa; TIFIL-23; zcyto18
Locus ID:	50616
UniProt ID:	<a href="#">Q9GZX6</a>



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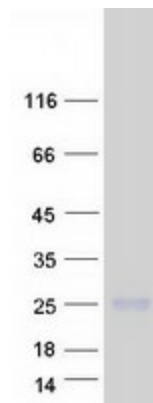
**Cytogenetics:** 12q15

**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:



Coomassie blue staining of purified IL22 protein (Cat# [TP309995]). The protein was produced from HEK293T cells transfected with IL22 cDNA clone (Cat# [RC209995]) using MegaTran 2.0 (Cat# [TT210002]).