

Product datasheet for PH312571

IL19 (NM_013371) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	IL19 MS Standard C13 and N15-labeled recombinant protein (NP_037503)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC212571
Predicted MW:	20.45 kDa
Protein Sequence:	>RC212571 representing NM_013371 Red =Cloning site Green =Tags(s) MKLQCVSLWLLGTILILCSVDNHGLRRCLISTDMHIEESFQEIKRAIQAKDTFPNVTILSTLETLQIIK PLDVCCVTKNLLAFYVDRVFKDHQEPNPKILRKISSIANSFLYMQKTLRQCQEQRQCHCRQEATNATRVI HDNYDQLEVHAAAIKSLGELDVFLAWINKNHEVMFSA TR TRPLEQ KL ISEEDLAANDILDYKDDDDKV
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- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-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:	NP_037503
RefSeq Size:	1831
RefSeq ORF:	531
Synonyms:	IL-10C; MDA1; NG.1; ZMDA1
Locus ID:	29949
UniProt ID:	Q9UHD0 , Q5VUT3



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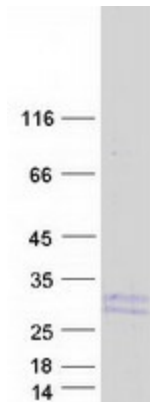
Cytogenetics: 1q32.1

Summary: The protein encoded by this gene is a cytokine that belongs to the IL10 cytokine subfamily. This cytokine is found to be preferentially expressed in monocytes. It can bind the IL20 receptor complex and lead to the activation of the signal transducer and activator of transcription 3 (STAT3). A similar cytokine in mouse is reported to up-regulate the expression of IL6 and TNF-alpha and induce apoptosis, which suggests a role of this cytokine in inflammatory responses. Alternatively spliced transcript variants encoding the distinct isoforms have been described. [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome, Secreted Protein

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

Product images:



Coomassie blue staining of purified IL19 protein (Cat# [TP312571]). The protein was produced from HEK293T cells transfected with IL19 cDNA clone (Cat# [RC212571]) using MegaTran 2.0 (Cat# [TT210002]).