

Product datasheet for PH320031

IL16 (NM_004513) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	IL16 MS Standard C13 and N15-labeled recombinant protein (NP_004504)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC220031
Predicted MW:	66.5 kDa
Protein Sequence:	>RC220031 representing NM_004513 Red=Cloning site Green=Tags(s)
	MDYSFDTTAEDPWVRISDCIKNLFSPIMSENHGHMPLQPNASLNEEEGTQGHDPDGTTPPKLDTANGTPKVY KSADSSTVKKGPPVAPKPAWFRQSLKGLRNRASDPRGLPDPALSTQPAPASREHLGSHIRASSSSSSIRQ RISSFETFGSSQLPDKGAQRLSLQPSSGEAAKPLGKHEEGRFSGLLGRGAAPTLVPQQPEQVLSGGSPA SEARDPGVSEPPPPGRQPNQKTLPPGPDPLRLLLSTQAEESQGPVLMKPSQRARSFPLTRSQCETKLLD EKTSKLYSISSQVSSAVMKSLCLPSSISCAQTPCIPKEGASPTSSSNEDSAANGSAETSALDTGFSNL SELREYTEGLTEAKEDDDGDHSSLQSGQSVISLLSSEELKKLIEEVKVLDEATLKQLDGIHVTILHKEEG AGLGFSLAGGADLENKVITVHRVFPNGLASQEGTIQKGNEVL SINGKSLKGTTHHDALAILRQAREPRQA VIVTRKLTPEAMPDLNSSTDSAASASAASDVSVESTAEATVCTVTLEKMSAGLGFLEGGKSLHGDKPL TINRIFKGAASEQSETVQPGDEILQLGGTAMQGLTRFEAWNIKALPDGPVTIVIRRKSLQSKETTAAGD S
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
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- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-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_004504
RefSeq Size:	6193



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RefSeq ORF: 1893

Synonyms: LCF; NIL16; prIL-16; PRIL16

Locus ID: 3603

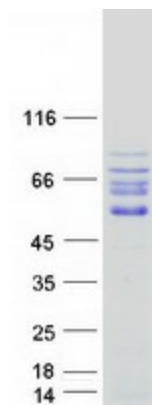
UniProt ID: [Q14005](#), [Q9UME6](#)

Cytogenetics: 15q25.1

Summary: The protein encoded by this gene is a pleiotropic cytokine that functions as a chemoattractant, a modulator of T cell activation, and an inhibitor of HIV replication. The signaling process of this cytokine is mediated by CD4. The product of this gene undergoes proteolytic processing, which is found to yield two functional proteins. The cytokine function is exclusively attributed to the secreted C-terminal peptide, while the N-terminal product may play a role in cell cycle control. Caspase 3 is reported to be involved in the proteolytic processing of this protein. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Feb 2010]

Protein Families: Druggable Genome, Secreted Protein

Product images:



Coomassie blue staining of purified IL16 protein (Cat# [TP320031]). The protein was produced from HEK293T cells transfected with IL16 cDNA clone (Cat# [RC220031]) using MegaTran 2.0 (Cat# [TT210002]).