

Product datasheet for TP320031

IL16 (NM_004513) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human interleukin 16 (lymphocyte chemoattractant factor) (IL16), transcript variant 1, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC220031 representing NM_004513 Red=Cloning site Green=Tags(s)

MDYSFDTTAEDPWVRISDCIKNLFSPIMSENHGHMPLQPNASLNEEEGTQGHPDGTTPPKLDTANGTPKVY
KSADSSTVKKGPPVAPKPAWFRQSLKGLRNRASDPRGLPDPALSTQPAPASREHLGSHIRASSSSSSIRQ
RISSFETFGSSQLPDKGAQRSLQPSSGEAAKPLGKHEEGRFSGLLGRGAAPTLVPQQPEQVLSSGSPAA
SEARDPGVSESPPPGRQPNQKTLPPGPDLLRLLSTQAEESQGPVLKMPQSQRARSFPLTRSQCETKLLD
EKTSKLYSISSQVSSAVMKSLCLPSSISCAQTPCIPKEGASPTSSSNEDSAANGSAETSALDTGFSLNL
SELREYTEGLTEAKEDDDGDHSSLQSGQSVISLLSSEELKKLIEEVKVLDEATLKQLDGIHVILHKEEG
AGLGFSLAGGADLENKVITVHRVFPNGLASQEGTIQKNEVLSINGKSLKGTTHHDALAILRQAREPRQA
VIVTRKLTPEAMPDLNSSTDSAASASAASDVSVESTAEATVCTVTLEKMSAGLGFSLGEGGKSLHGDKPL
TINRIFKGAASEQSETVQPGDEILQLGGTAMQGLTRFEAWNIIKALPDGPVTIVIRRKSLQSKETTAAGD
S

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

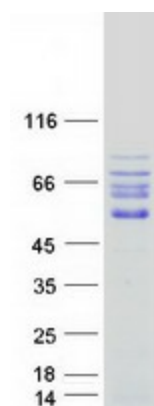
Tag:	C-Myc/DDK
Predicted MW:	66.5 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.



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Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_004504
Locus ID:	3603
UniProt ID:	Q14005 , Q9UME6
RefSeq Size:	6193
Cytogenetics:	15q25.1
RefSeq ORF:	1893
Synonyms:	LCF; NIL16; prIL-16; PRIL16
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]).