

Product datasheet for PH300410

CD70 (NM_001252) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	CD70 MS Standard C13 and N15-labeled recombinant protein (NP_001243)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC200410
Predicted MW:	21.1 kDa
Protein Sequence:	>RC200410 protein sequence Red=Cloning site Green=Tags(s) MPEEGSGCSVRRRPYGCVLRAALVPLVAGLVICLVVCIQRFAQAQQQLPLESLGWDVAELQLNHTGPQQD PRLYWQGGPALGRSFLHGPELDKGQLRIHRDGIYMVHIQVTLAICSSTTASRHHPTTLAVGICSPASRSI SLLRLSFHQGCTIASQRLTPLARGDTLCTNLGTLLPSRNTDETFFGVQWVRP 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- 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_001243
RefSeq Size:	913
RefSeq ORF:	579
Synonyms:	CD27-L; CD27L; CD27LG; LPFS3; TNFSF7; TNLG8A
Locus ID:	970
UniProt ID:	P32970 , A0A0U5JA32



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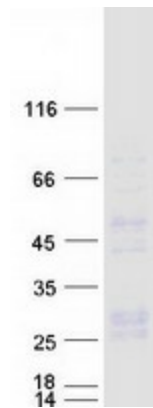
Cytogenetics: 19p13.3

Summary: The protein encoded by this gene is a cytokine that belongs to the tumor necrosis factor (TNF) ligand family. This cytokine is a ligand for TNFRSF27/CD27. It is a surface antigen on activated, but not on resting, T and B lymphocytes. It induces proliferation of costimulated T cells, enhances the generation of cytolytic T cells, and contributes to T cell activation. This cytokine is also reported to play a role in regulating B-cell activation, cytotoxic function of natural killer cells, and immunoglobulin synthesis. [provided by RefSeq, Jul 2008]

Protein Families: ES Cell Differentiation/IPS, Transmembrane

Protein Pathways: Cytokine-cytokine receptor interaction

Product images:



Coomassie blue staining of purified CD70 protein (Cat# [TP300410]). The protein was produced from HEK293T cells transfected with CD70 cDNA clone (Cat# [RC200410]) using MegaTran 2.0 (Cat# [TT210002]).