

Product datasheet for PH311160

TNFSF9 (NM_003811) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	TNFSF9 MS Standard C13 and N15-labeled recombinant protein (NP_003802)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC211160
Predicted MW:	26.6 kDa
Protein Sequence:	>RC211160 protein sequence Red=Cloning site Green=Tags(s) MEYASDASLDPEAPWPPAPRARACRVLPWALVAGLLLLLLAAACAVFLACPWAVSGARASPGSAASPRL REGPELSPDDPAGLLDLRQGMFAQLVAQNVLLIDGPLSWYSDPGLAGVSLTGGLSYKEDTKELVVAKAGV YYVFFQLELRRVVAGEGSGSVSLALHLQPLRSAAGAAALALTVDLPPASSEARNSAFGFQGRLLHLSAGQ RLGVHLHTEARARHAWQLTQGATVLGLFRVTPEIPAGLPSRPE 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- 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_003802
RefSeq Size:	1680
RefSeq ORF:	762
Synonyms:	4-1BB-L; CD137L; TNLG5A
Locus ID:	8744
UniProt ID:	P41273 , A0A0U5J8I0



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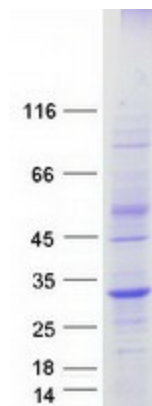
Cytogenetics: 19p13.3

Summary: The protein encoded by this gene is a cytokine that belongs to the tumor necrosis factor (TNF) ligand family. This transmembrane cytokine is a bidirectional signal transducer that acts as a ligand for TNFRSF9/4-1BB, which is a costimulatory receptor molecule in T lymphocytes. This cytokine and its receptor are involved in the antigen presentation process and in the generation of cytotoxic T cells. The receptor TNFRSF9/4-1BB is absent from resting T lymphocytes but rapidly expressed upon antigenic stimulation. The ligand encoded by this gene, TNFSF9/4-1BBL, has been shown to reactivate anergic T lymphocytes in addition to promoting T lymphocyte proliferation. This cytokine has also been shown to be required for the optimal CD8 responses in CD8 T cells. This cytokine is expressed in carcinoma cell lines, and is thought to be involved in T cell-tumor cell interaction.[provided by RefSeq, Oct 2008]

Protein Families: Druggable Genome, Transmembrane

Protein Pathways: Cytokine-cytokine receptor interaction

Product images:



Coomassie blue staining of purified TNFSF9 protein (Cat# [TP311160]). The protein was produced from HEK293T cells transfected with TNFSF9 cDNA clone (Cat# [RC211160]) using MegaTran 2.0 (Cat# [TT210002]).