

Product datasheet for PH322502

DAP12 (TYROBP) (NM_003332) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	TYROBP MS Standard C13 and N15-labeled recombinant protein (NP_003323)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC222502
Predicted MW:	12.2 kDa
Protein Sequence:	>RC222502 protein sequence Red =Cloning site Green =Tags(s) MGGLEPCSRLLLLPLLLAVSGLRPVQAQAQSDSCSTVSPGVLAGIVMGDLVLTVLIALAVYFLGRLVPR GRGAAEAATRKQRITETESPYQELQGQRSVYSDLNTQRPYYK 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_003323
RefSeq Size:	608
RefSeq ORF:	339
Synonyms:	DAP12; KARAP; PLOSL; PLOSL1
Locus ID:	7305
UniProt ID:	O43914
Cytogenetics:	19q13.12



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Summary:

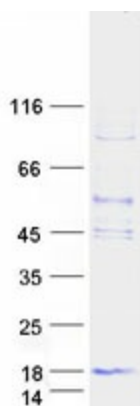
This gene encodes a transmembrane signaling polypeptide which contains an immunoreceptor tyrosine-based activation motif (ITAM) in its cytoplasmic domain. The encoded protein may associate with the killer-cell inhibitory receptor (KIR) family of membrane glycoproteins and may act as an activating signal transduction element. This protein may bind zeta-chain (TCR) associated protein kinase 70kDa (ZAP-70) and spleen tyrosine kinase (SYK) and play a role in signal transduction, bone modeling, brain myelination, and inflammation. Mutations within this gene have been associated with polycystic lipomembranous osteodysplasia with sclerosing leukoencephalopathy (PLOSL), also known as Nasu-Hakola disease. Its putative receptor, triggering receptor expressed on myeloid cells 2 (TREM2), also causes PLOSL. Multiple alternative transcript variants encoding distinct isoforms have been identified for this gene. [provided by RefSeq, Mar 2010]

Protein Families:

Druggable Genome, Transmembrane

Protein Pathways:

Natural killer cell mediated cytotoxicity

Product images:

Coomassie blue staining of purified TYROBP protein (Cat# [TP322502]). The protein was produced from HEK293T cells transfected with TYROBP cDNA clone (Cat# [RC222502]) using MegaTran 2.0 (Cat# [TT210002]).