

Recombinant Human TYROBP Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. TYROBP-4167H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	TYROBP MS Standard C13 and N15-labeled recombinant protein (NP_003323) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	12.2 kDa
AA Sequence	MGGLEPCSRLLLLPLLLAVSGLRPVQAQAQSDCSCSTVSPGVLGIVMGDLVLTVLI

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ALAVYFLGRLVPRGRGAAEAATRKQRITETESPYQELQGQRSDVYSDLNTQRPYYK
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name TYROBP TYRO protein tyrosine kinase binding protein [Homo sapiens (human)]

Official Symbol TYROBP

Synonyms TYROBP; TYRO protein tyrosine kinase binding protein; PLOSL; TYRO protein tyrosine kinase-binding protein; DAP12; DNAX activation protein 12; KARAP; killer activating receptor associated protein; PLO SL; KAR-associated protein; DNAX-activation protein 12; killer-activating receptor-associated protein;

Gene ID 7305

mRNA Refseq NM_003332

Protein Refseq NP_003323

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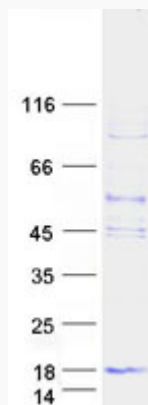
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MIM 604142

UniProt ID O43914

SDS-PAGE



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