

Recombinant Human MPP2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. MPP2-3585H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	MPP2 MS Standard C13 and N15-labeled recombinant protein (NP_005365) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	Palmitoylated membrane protein 2 is a member of a family of membrane-associated proteins termed MAGUKs (membrane-associated guanylate kinase homologs). MAGUKs interact with the cytoskeleton and regulate cell proliferation, signaling pathways, and intracellular junctions. Palmitoylated membrane protein 2 contains a conserved sequence, called the SH3 (src homology 3) motif, found in several other proteins that associate with the cytoskeleton and are suspected to play important roles in signal transduction.
Molecular Mass	61.6 kDa
AA Sequence	MPVAATNSETAMQQVLDNLGSLPSATGAAELDLIFLRGIMESPIVRSLAKAHERLEET KLEAVRDNNLELVQEILRDLAQLAEQSSTAAELAHILQEPHFQSLLETHDSVASKTYE TPPPSPGLDPTFSNQPVPPDAVRMVGIRKTAGEHLGVTFRVEGGELVIARILHGGMV AQQGLLHVGDIIKEVNGQPVGSDPRALQELLRNASGSVILKILPSYQEPHLPRQVFVK CHFDYDPARDSLIPCKEAGLRFNAGDLLQIVNQDDANWWQACHVEGGSAGLIPSQL LEEKRKAFVKRDLELTPNSGTLCSLSGKKKKRMMYLTTKNAEFDRHELLIYEEVAR

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MPPFRRKTLVLIGAQGVGRRSLKNKLIMWDPDRYGTTVPYTSRRPKDSEREGQGYS
FVSRGEMEADVRAGRYLEHGEYEGNLYGTRIDSIRGVVAAGKVCVLDVNPQAVKVL
RTAEFVPYVVFIEAPDFETLRAMNRAALESgistKQLTEADLRRTVEESSRIQRGYGH
YFDLCLVNSNLERTFRELQTAMEKLRTEPQWVPVSWVYTRTRPLEQKLISEEDLAAN
DILDYKDDDDKV

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 MPP2 membrane palmitoylated protein 2 [Homo sapiens (human)]

Official Symbol MPP2

Synonyms MPP2; membrane protein, palmitoylated 2 (MAGUK p55 subfamily member 2); DLG2; MAGUK p55 subfamily member 2; discs large; homolog 2; DKFZp761D0712; discs large homolog 2; discs large, homolog 2; DKFZp686J2189; DKFZp686A06252;

Gene ID 4355

mRNA Refseq NM_005374

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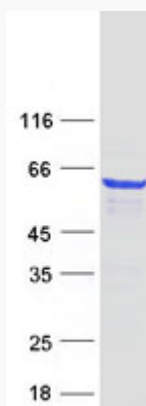
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Protein Refseq NP_005365

MIM 600723

UniProt ID Q14168

SDS-PAGE



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