

Recombinant Human PPP1R16B Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. PPP1R16B-3453H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PPP1R16B MS Standard C13 and N15-labeled recombinant protein (NP_056383) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	The protein encoded by this gene is membrane-associated and contains five ankyrin repeats, a protein phosphatase-1-interacting domain, and a carboxy-terminal CAAX box domain. Synthesis of the encoded protein is inhibited by transforming growth factor beta-1. The protein may bind to the membrane through its CAAX box domain and may act as a signaling molecule through interaction with protein phosphatase-1. Alternative splicing results in multiple transcript variants encoding different isoforms that may undergo similar processing to generate mature protein.
Molecular Mass	63.4 kDa
AA Sequence	MASHVDLLTELQLLEKVPTLERLRAAQKRRAQQLKKWAQYEQDLQHRKRKHERKR STGGRRKKVSFEASVALLEASLRNDAEEVRYFLKNKVSPDLCNEDGLTALHQCCIDN FEEIVKLLLSHGANVNADNELWTPHAAATCGHINLVKILVQYGADLLAVNSDGNM PYDLCEDEPTLDVIETCMAYQGITQEKINEMRVAPEQQMIADIHCMIAAGQDLWDIDA QGATLLHIAGANGYLRAAELLDDHGVVRVDVKDWDGWEPHAAAFWGMQMAELLV SHGASLSARTSMDEMPIDLCEEEEFKVLLELKHKHDVIMKSQLRHKSSLSRRTSSA

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GSRGKVRRASLSDRTNLYRKEYEGEAILWQRSAEDQRTSTYNGDIRETRTDQEN
KDPNPRLEKPVLLSEFPTKIPRGELDMPVENGLRAPVSAYQYALANGDVWKVHEVP
DYSMAYGNPGVADATPPWSSYKEQSPQTLLELKRQRAAAKLLSHPFLSTHLGSSMA
RTGESSESEKAPLIGGRTSPYSSNGTSVYYTVTSGDPPLLKFKAPIEEMEEKVHGCC
RISTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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 PPP1R16B protein phosphatase 1 regulatory subunit 16B [Homo sapiens (human)]

Official Symbol PPP1R16B

Synonyms PPP1R16B; protein phosphatase 1, regulatory subunit 16B; protein phosphatase 1, regulatory (inhibitor) subunit 16B; protein phosphatase 1 regulatory inhibitor subunit 16B; ANKRD4; ankyrin repeat domain protein 4; KIAA0823; TGF beta inhibited membrane associated protein; TIMAP; hTIMAP; CAAX box protein TIMAP; ankyrin repeat domain-containing protein 4; TGF-beta-inhibited membrane-associated protein;

Gene ID 26051

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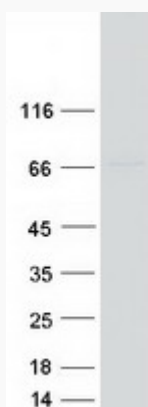
mRNA Refseq [NM_015568](#)

Protein Refseq [NP_056383](#)

MIM [613275](#)

UniProt ID [Q96T49](#)

SDS-PAGE



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