

Product datasheet for **TP304632L**

ID12 (NM_033261) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human isopentenyl-diphosphate delta isomerase 2 (ID12), 1 mg

Species: Human

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >RC204632 protein sequence
Red=Cloning site **Green**=Tags(s)

MSDINLDWVDRRQLQRLEEMLIVVDENDKVIGADTKRNCHLNENIEKGLLHRAFSVVLFNNTKNRILIQQR
SDTKVTFPGYFTDSCSSHPLYNPAAELEEKDAIGVRRAAQRRLQAELGIPGEQISPEDIVFMTIYHHKAKS
DRIWGEHEICYLLLRKNVTLNPDPSSETKSILYLSQEELWELLEREARGEVKVTPWLRITIAERFLYRWWP
HLDDVTPFVELHKIHRV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 26.6 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

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

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

Storage: Store at -80°C.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: [NP_150286](#)

Locus ID: 91734

UniProt ID: [Q9BXS1](#)



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RefSeq Size: 1359

Cytogenetics: 10p15.3

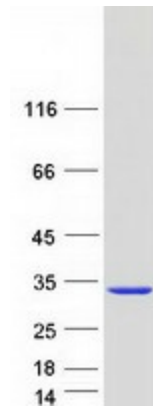
RefSeq ORF: 681

Synonyms: IPPI2

Summary: The protein encoded by this gene catalyzes the conversion of isopentenyl diphosphate to dimethylallyl diphosphate, which is a precursor for the synthesis of cholesterol and other isoprenoids. This gene, which is a product of an ancestral gene duplication event, encodes a protein that may be involved in the aggregation of alpha-synuclein in the cerebral cortex of patients with Lewy body disease. In addition, segmental copy number gains in this locus have been associated with sporadic amyotrophic lateral sclerosis. [provided by RefSeq, Jul 2016]

Protein Pathways: Metabolic pathways, Terpenoid backbone biosynthesis

Product images:



Coomassie blue staining of purified IDI2 protein (Cat# [TP304632]). The protein was produced from HEK293T cells transfected with IDI2 cDNA clone (Cat# [RC204632]) using MegaTran 2.0 (Cat# [TT210002]).