

Product datasheet for **TP304632**

ID12 (NM_033261) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human isopentenyl-diphosphate delta isomerase 2 (ID12), 20 µg
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

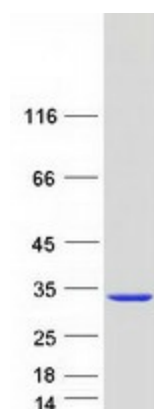
RefSeq ORF: 681

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]).