

Recombinant Full Length Human IDI2 Protein, C-Flag-tagged

Cat. No. IDI2-2165HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human IDI2 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	26.6 kDa
AA Sequence	MSDINLDWVDRRQLQRLEEMLIVVDENDKVIGADTKRNCHLNENIEKGLLHRAFSVV LFNTKNRILIQQR SDTKVTFPGYFTDSCSSHPLYNPAELEEKDAIGVRRAAQRRQLQA ELGIPGEQISPEDIVFMTIYHHKAKS DRIWGEHEICYLLLVRKNVTLNPDPSSETKSILY LSQEELWELLEREARGEVKVTPWLRTIAERFLYRWWP HLDDVTPFVELHKIHRV TR TRPLEQKLISEEDLAANDILDYKDDDDKV

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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Pathways	Metabolic pathways, Terpenoid backbone biosynthesis
Full Length	Full L.

GENE INFORMATION

Gene Name	IDI2 isopentenyl-diphosphate delta isomerase 2 [Homo sapiens (human)]
Official Symbol	IDI2
Synonyms	IPPI2
Gene ID	91734
mRNA Refseq	NM_033261.3
Protein Refseq	NP_150286.1
MIM	615389

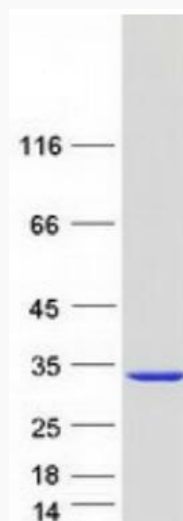
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UniProt ID

Q9BXS1



Coomassie blue staining of purified IDI2 protein.

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