

Recombinant Human IDI2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. IDI2-6350H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	IDI2 MS Standard C13 and N15-labeled recombinant protein (NP_150286) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	26.8 kDa
AA Sequence	MSDINLDWVDRRQLQRLEEMLIVVDENDKVIGADTKRNCHLNENIEKGLLHRAFSVV LFNTKNRILIQQRSDTKVTFPGYFTDSCSSHPLYNPAAELEEKDAIGVRRAAQRRLLQAE LGIPGEQISPEDIVFMTIYHHKAKSDRIWGEHEICYLLLVRKNVTLNPDPSSETKSILYLS QEELWELLEREARGEVKVTPWLRTIAERFLYRWVPHLDDVTPFVELHKIHRVTRTR PLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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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

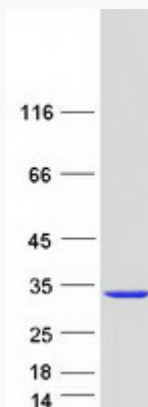
Gene Name	IDI2 isopentenyl-diphosphate delta isomerase 2 [Homo sapiens (human)]
Official Symbol	IDI2
Synonyms	IDI2; isopentenyl-diphosphate delta isomerase 2; isopentenyl-diphosphate Delta-isomerase 2; IPP12; IPP isomerase 2; isopentenyl pyrophosphate isomerase 2; diphosphate dimethylallyl diphosphate isomerase 2;
Gene ID	91734
mRNA Refseq	NM_033261
Protein Refseq	NP_150286
MIM	615389
UniProt ID	Q9BXS1

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SDS-PAGE



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