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Product datasheet for AR09940PU-L

IPP isomerase 2 / IDI2 (1-227, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	IPP isomerase 2 / IDI2 (1-227, His-tag) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MSDINLDWVD RRQLQRLEEM LIVVDENDKV IGADTKRNCH LNENIEKGLL HRAFSVVLFN TKNRILIQQR SDTKVTFPGY FTDSCSSHPL YNPAELEEKD AIGVRRAAQR RLQAELGIPG EQISPEDIVF MTIYHHKAKS DRIWGEHEIC YLLLVRKNVT LNPDPSETKS ILYLSQEELW ELLEREARGE VKVTPWLRTI AERFLYRWWP HLDDVTPFVE LHKIHRV
Tag:	His-tag
Predicted MW:	28.9 kDa
Concentration:	lot specific
Purity:	>80%
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 1 mM DTT, 0.1 mM PMSF
Preparation:	Liquid purified protein
Protein Description:	Recombinant human IDI2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_150286
Locus ID:	91734
UniProt ID:	Q9BXS1
Cytogenetics:	10p15.3
Synonyms:	IPPI2

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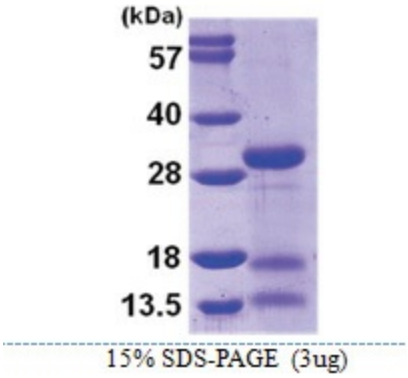
Summary: The protein encoded by this gene catalyzes the conversion of isopentenyl diphosphate to dimethylallyl diphosphate, which is a precursor for the synthesis of cholesterol and other isoprenoids. This gene, which is a product of an ancestral gene duplication event, encodes a protein that may be 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:



15% SDS-PAGE (3ug)