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Product datasheet for AR50102PU-N

IPP isomerase 1 / IDI1 (1-228, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	IPP isomerase 1 / IDI1 (1-228, His-tag) human recombinant protein, 0.25 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MMPEINTNHL DKQQVQLLAE MCILIDENDN KIGAETKKNC HLNENIEKGL LHRAFSVFLF NTENKLLLQQ RSDAKITFPG CFTNTCCSHP LSNPAELEES DALGVRRAAQ RRLKAELGIP LEEVPPEEIN YLTRIHYKAQ SDGIWGEHEI DYILLVRKNV TLNPDPNEIK SYCYVSKEEL KELLKKAASG EIKITPWFKI IAATFLFKWW DNLNHLNQFV DHEKIYRM
Tag:	His-tag
Predicted MW:	28.6 kDa
Concentration:	lot specific
Purity:	>90% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 1 mM DTT, 10% glycerol, 0.1M NaCl
Preparation:	Liquid purified protein
Protein Description:	Recombinant human IDI1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_001304884
Locus ID:	3422
UniProt ID:	Q13907
Cytogenetics:	10p15.3
Synonyms:	IPP1; IPPI1

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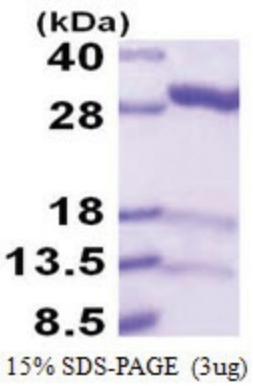
Summary: IDI1 encodes a peroxisomally-localized enzyme that catalyzes the interconversion of isopentenyl diphosphate (IPP) to its highly electrophilic isomer, dimethylallyl diphosphate (DMAPP), which are the substrates for the successive reaction that results in the synthesis of farnesyl diphosphate and, ultimately, cholesterol. It has been shown in peroxisomal deficiency diseases such as Zellweger syndrome and neonatal adrenoleukodystrophy that there is reduction in IPP isomerase activity. [provided by RefSeq, Jul 2008]

Protein Pathways: Metabolic pathways, Terpenoid backbone biosynthesis

Product images:



15% SDS-PAGE (3ug)