

Recombinant human IDI2 protein

Catalog Number: ATGP1000

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-227aa

UniProt No.

Q9BXS1

NCBI Accession No.

NP_150286

Alternative Names

Isopentenyl-diphosphate delta-isomerase 2, IPPI2

PRODUCT SPECIFICATION

Molecular Weight

28.9 kDa (247aa) confirmed by MALDI-TOF

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 1mM DTT, 0.1mM PMSF

Purity

> 80% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

IDI2, also known as isopentenyl-diphosphate delta-isomerase 2, belongs to the IPP isomerase type 1 family. IDI2 catalyzes the 1, 3-allylic rearrangement of the homoallylic substrate isopentenyl (IPP) to its highly electrophilic allylic isomer, dimethylallyl diphosphate (DMAPP). Recombinant human IDI2 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography.

Amino acid Sequence

MGSSHHHHHH SGLVPRGSH MSDINLDWVD RRQLQRLEEM LIVVDENDKV IGADTKRNCH LNIENIEKGLL HRAFSVVLFN

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TKNRILIQQR SDTKVTFFPGY FTDSCSSHPL YNPAALEEKD AIGVRRAAQR RLQAELGIPG EQISPEDIVF MTIYHHKAKS
DRIWGEHEIC YLLLVRKNVT LNPDPSETKS ILYLSQEELW ELLEREARGE VKVTPWLRTI AERFLYRWWP HLDDVTPFVE
LHKIHRV

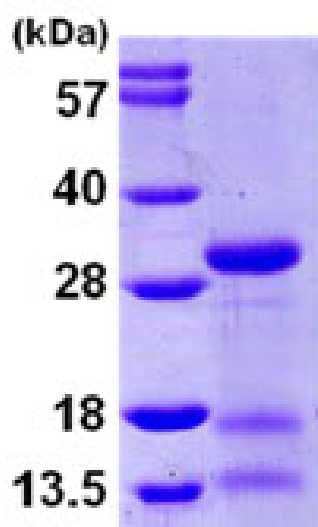
General References

Clizbe D.B., et al. (2007) Biol Chem. 282:6668-6676

Ota T., et al. (2004) Genet. 36:40-45

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)