

**IDI2, 1-227aa, Human, His tag, E.coli**

**Cat.NO.: TP02558**

3th Edition

**Synonyms:** Isopentenyl-diphosphate delta-isomerase 2, IPP12

**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.

**Form:** Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol, 1mM DTT, 0.1mM PMSF

**Molecular Weight:** 28.9 kDa (247aa), confirmed by MALDI-TOF

**Sequences:**

MGSSHHHHHHSSGLVPRGSHMSDINLDWVDRRLQRLEEMLVVDENDKVIGADTKRNCHLNENIEKGLLHRAFS  
VVLFNTHKNRILIQQRSDTKVTFPGYFTDSCSSHPLYNPAELEEKDAIGVRRRAAQRRLQAELGIPGEQISPEDIVFMTIY  
HHKAKSDRIWGEHEICYLLLVKKNVTLNPDPSSETKSILYLSQEELWELLEREARGEVKVTPWLRTIAERFLYRWPH  
LDDVTPFVELHKIHRV

**Purity:** > 95% by HPLC

**Concentration:** 0.5 mg/ml (determined by Bradford assay)

**Endotoxin Level:** <1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:** Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.