

## IDI2 Human

**Description:** IDI2 produced in E.Coli is a single, non-glycosylated polypeptide chain containing 247 amino acids (1-227 a.a.) and having a molecular mass of 28.9kDa. IDI2 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

**Catalog #:** ENPS-114

For research use only.

**Synonyms:** Isopentenyl-diphosphate Delta-isomerase 2, Isopentenyl pyrophosphate isomerase 2, IPP isomerase 2, IPPI2, IDI2.

**Source:** Escherichia Coli.

**Physical Appearance:** Sterile filtered colorless solution.

**Amino Acid Sequence:** MGSSHHHHHH SSGLVPRGSH MSDINLDWVD RRQLQRLEEM  
LIVVDENDKV IGADTKRNCH LNIENIEKGLL HRAFSVVLFN TKNRILIQQR SDTKVTFPGY  
FTDSCSSHPL YNPAELEEKD AIGVRRAAQR RLQAELGIPG EQISPEDIVF MTIYHHKAKS  
DRIWGEHEIC YLLLVRKNVT LNPDPSETKS ILYLSQEELW ELLEREARGE VKVTPWLRTI  
AERFLYRWWP HL

**Purity:** Greater than 80.0% as determined by SDS-PAGE.

**Formulation:**

IDI2 solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 10% glycerol, 1mM DTT and 0.1mM PMSF.

**Stability:**

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

**Usage:**

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. They may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

**Introduction:**

Isopentenyl-diphosphate Delta-isomerase 2 (IDI2) is a member of the IPP isomerase type 1 family. IDI2 catalyzes the 1,3-allylic reorganization of the homoallylic substrate isopentenyl (IPP) to its extremely electrophilic allylic isomer, dimethylallyl diphosphate (DMAPP).

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