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32-2466: IDI2 Recombinant Protein

Alternative Name : Isopentenyl-diphosphate Delta-isomerase 2,Isopentenyl pyrophosphate isomerase 2,IPP isomerase 2,IPPI2,IDI2.

Description

Source : Escherichia Coli. 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. 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).

Product Info

Amount :	20 µg
Purification :	Greater than 80.0% as determined by SDS-PAGE.
Content :	IDI2 solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 10% glycerol, 1mM DTT and 0.1mM PMSF.
Storage condition :	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.
Amino Acid :	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.

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