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32-8075: Recombinant Human Isopentenyl Pyrophosphate Isomerase 2//IPPI2/IDI2 (N-6His)

Gene : IDI2
Gene ID : 91734
Uniprot ID : Q9BXS1

Description

Source: E.coli.
MW :28.9kD.
Recombinant Human IPP Isomerase 2 is produced by our E.coli expression system and the target gene encoding Met1-Val227 is expressed with a 6His tag at the N-terminus. Isopentenyl Pyrophosphate Isomerase 2 (IDI2) belongs to the IPP isomerase type 1 family. Both isozymes, IDI1 and IDI2 are localized to the peroxisome by a PTS1-dependent pathway. IDI2 is expressed in skeletal muscle, which contains one nudix hydrolase domain. IDI2 binds one magnesium per subunit. IDI2 catalyzes the 1,3-allylic rearrangement of the homoallylic substrate isopentenyl (IPP) to its highly electrophilic allylic isomer, dimethylallyl diphosphate (DMAPP). It is reported that IDI2 is regulated independently from IDI1, by a mechanism that may involve PPAR-a.

Product Info

Amount : 10 µg / 50 µg
Content : Supplied as a 0.2 µm filtered solution of 20mM TrisHCl, 1mM DTT, 0.1mM PMSF, pH 8.0.
Storage condition : Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
Amino Acid : MGSSHHHHHHSSGLVPRGSHMSDINLDWVDRRQLQRLEEMLIVVDENDKVIGADTKRNCHLNENI EKGLLHRAFSVVLFNTKNRILIQQRSDTKVTFPGYFTDSCSSHPLYNPAELEEKDAIGVRRAAQRRL QAELGIPGEQISPEDIVFMTIYHHKAKSDRIWGEHEICYLLLVRKNVTLNPDPSETKSILYLSQEELWE LLEREARGEVKVTPWLRTIAERFLYRWWPHLDDVTPFVELHKIHRV

Application Note

Endotoxin : Less than 0.1 ng/Âµg (1 IEU/Âµg) as determined by LAL test.