

## 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- $\alpha$ .

### Product Info

**Amount :** 10  $\mu$ g / 50  $\mu$ g  
**Content :** Supplied as a 0.2  $\mu$ m 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 :** MGSSHHHHHSSGLVPRGSHMSDINLDWVDRRLQRLLEMLIVVDENDKVIGADTKRNCNLNENIEKGLLHR  
AFSVVLFNTKNRILIQQRSDTKVTFPGYFTDSCSSHPLYNPAELEEKDAIGVRRAAQRRQLAELGIPGEQISPEDI  
VFMTIYHHKAKSDRIWGEHEICYLLLRKNVTLNPDPSSETKSILYLSQEELWELLEREARGEVKVTPWLRITIAERF  
LYRWVPHLDDVTPFVELHKIHRV

### Application Note

**Endotoxin :** Less than 0.1 ng/ $\mu$ g (1 IEU/ $\mu$ g) as determined by LAL test.