

Recombinant Human Isopentenyl Pyrophosphate Isomerase 2//IPPI2/IDI2 Protein(N-6His)

Cat.NO.: TP05966

3th Edition

Synonyms:Isopentenyl-Diphosphate Delta-Isomerase 2; Isopentenyl Pyrophosphate Isomerase 2; IPP Isomerase 2; IPPI2; IDI2

Description: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-?.

Form:PBS

Molecular Weight:28.9 kDa

Sequences:Met 1-Val227

Purity:> 95% by HPLC

Concentration:

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.