Product Name: Recombinant Human Isomerase2 (N-6His)
Catalog #: PEH1021

Summary

Name	Isopentenyl pyrophosphate isomerase 2/IDI2
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	Recombinant Human Isopentenyl Pyrophosphate 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.
Accession #	Q9BXS1
Host	E.coli
Species	Human
Predicted Molecular Mass	28.9 KDa
Formulation	Supplied as a 0.2 μm filtered solution of 20mM Tris-HCl, 1mM DTT, 0.1mM PMSF, pH 8.0.
Shipping	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	

SDS-PAGE image

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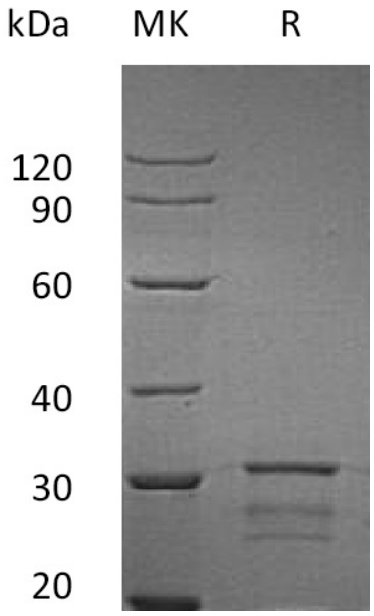

Alternative Names

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

Background

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-α.

Note

For Research Use Only , Not for Diagnostic Use.