

Isopentenyl-Diphosphate Delta Isomerase 1 Human Recombinant

Item Number	rAP-1214
Synonyms	Isopentenyl-diphosphate Delta-isomerase 1, Isopentenyl pyrophosphate isomerase 1, IPP isomerase 1, IPP11, IDI1, IPP1.
Description	IDI1 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 248 amino acids (1-228) and having a molecular mass of 28.6kDa. IDI1 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
Uniprot Accession Number	Q13907
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MMPEINTNHL DKQQVQLLAE MCILIDENDN KIGAETKKNK HLNENIEKGL LHRAFSVFLF NTENKLLQ RSDAKITFPG CFTNTCCSHP LSNPAELEES DAL- GVRRAAQ RRLKAELGIP LEEVPPEEIN YLTRIHYKAQ SDGIWGEHEI DYILLVRKNV TLNPDNEIK SYCYVSKEEL KELLKKAASG EIKITPWFKI IAATFLFKWW DNLNHLNQFV DHEKIYRM.
Source	E.coli.
Physical Appearance and Stability	Sterile Filtered colorless solution. 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.
Formulation and Purity	The IDI1 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 10% glycerol and 0.1M NaCl. Greater than 90% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**