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IDI1, 1-228aa, Human, His tag, E.coli

产品货号: TP02557

第三版

**别名:** Isopentenyl-diphosphate isomerase 1, IPP1, IPP11

**描述:** Isopentenyl-diphosphate isomerase 1, also known as IDI1, is a member of the IPP isomerase type I family and is involved in cholesterol biosynthesis. IDI1 is a peroxisomally-localized enzyme that catalyzes the interconversion of isopentenyl diphosphate (IPP) to its highly electrophilic isomer, dimethylallyl diphosphate (DMAPP), which is the substrates for the successive reaction that results in the synthesis of farnesyl diphosphate and, ultimately, cholesterol. Recombinant human IDI1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

**配方:** Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol, 0.1M NaCl

**分子量:** 28.6 kDa (248aa), confirmed by MALDI-TOF

**序列:**

MGSSHHHHHSSGLVPRGSHMMPEINTNHLDKQQVQLLAEMCILIDENDNKIGAETKKNCHLNENIEKGLLHRAFVSFL  
FNTENKLLLQQRSDAKITFPGCFTNTCCSHPLSNPAELEESDALGVRRAAQRRLKAELGIPLEEVPEEINYLTRIH YKAQSD  
GIWGEHEIDYILLVRKNVTLNPD PNEIKSYCYVSKEELKELLKKAASGEIKITPWFKIIAATFLFKWWDNLNHLNQFVDHEK  
IYRM

**纯度:** > 95% by HPLC

**浓度:** 1 mg/ml (determined by Bradford assay)

**内毒素:** <1.0 EU per 1 ug of protein (determined by LAL method)

**存储:** +4 ° C 保存 (1-2 周). 长期保存在-20 ° C或者-70 ° C. 避免反复冻融.