

## 32-2321: FDFT1 Recombinant Protein

**Alternative Name :** Farnesyl-Diphosphate Farnesyltransferase 1,Squalene Synthase,SQS,SS,FPP:FPP Farnesyltransferase,EC 2.5.1.21,DGPT,ERG9,Presqualene-Di-Diphosphate Synthase,Squalene Synthetase,Farnesyl-Diphosphate,Farnesyltransferase,FDFT1.

### Description

Source : Escherichia Coli. FDFT1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 306 amino acids (1-283 a.a) and having a molecular mass of 35.4 kDa. FDFT1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Farnesyl-Diphosphate Farnesyltransferase 1, also known as FDFT1 is a membrane-associated enzyme sited at a branch point in the mevalonate pathway. FDFT1 belongs to the phytoene/squalene synthase family. FDFT1 is the 1st specific enzyme in cholesterol biosynthesis, which catalyzes the dimerization of 2 molecules of farnesyl diphosphate in a two-step reaction to form squalene.

### Product Info

**Amount :** 10 µg  
**Purification :** Greater than 85.0% as determined by SDS-PAGE.  
**Content :** FDFT1 protein solution (0.25 mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 10% glycerol and 0.4M Urea.  
**Storage condition :** 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.  
**Amino Acid :** MGSSHHHHHH SGLVPRGSH MGSMEFVKCL GHPEEFYNLV RFRIGGKRKV MPKMDQDSLS SSLKTCYKYLNQTSRSFAAV IQALDGMERN AVCIFYLVLR ALDTLEDDMT ISVEKKVPLL HNFHSFLYQP DWRFMESKEKDRQVLEDFPT ISLEFRNLAE KYQTVIADIC RRMGIGMAEFLDKHVTSEQE WDKYCHYVAGLVGIGLSRLF SASEFEDPLV GEDTERANSM GLFLQKTNII RDYLEDQQGG REFWPQEVWS RYVKKLG DFA KPENIDLAVQCLNELITNAL HHIPDVITYL SRLRNQ.

