

Product datasheet for AR51609PU-S

OriGene Technologies, Inc.

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Squalene synthetase (1-283, His-tag) Human Protein

Product data:

Product Type: Recombinant Proteins

Description: Squalene synthetase (1-283, His-tag) human recombinant protein, 50 μg

Species: Human
Expression Host: E. coli

Expression cDNA Clone MGSSHHHHHH SSGLVPRGSH MGSMEFVKCL GHPEEFYNLV RFRIGGKRKV MPKMDQDSLS

or AA Sequence: SSLKTCYKYL NQTSRSFAAV IQALDGEMRN AVCIFYLVLR ALDTLEDDMT ISVEKKVPLL HNFHSFLYQP

DWRFMESKEK DRQVLEDFPT ISLEFRNLAE KYQTVIADIC RRMGIGMAEF LDKHVTSEQE WDKYCHYVAG LVGIGLSRLF SASEFEDPLV GEDTERANSM GLFLQKTNII RDYLEDQQGG

REFWPQEVWS RYVKKLGDFA KPENIDLAVQ CLNELITNAL HHIPDVITYL SRLRNQ

Tag: His-tag
Predicted MW: 35.4 kDa
Concentration: lot specific

Purity: >85% by SDS - PAGE

Buffer: Presentation State: Purified

State: Liquid purified protein

Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 0.4M Urea

Preparation: Liquid purified protein

Protein Description: Recombinant human FDFT1 protein, fused to His-tag at N-terminus, was expressed in E.coli.

Storage: Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid

repeated freezing and thawing.

Stability: Shelf life: one year from despatch.

RefSeg: NP 001274671

Locus ID: 2222

UniProt ID: <u>P37268</u>, <u>Q6IAX1</u>

Cytogenetics: 8p23.1

Synonyms: DGPT; ERG9; SQS; SQSD; SS





Summary: This gene encodes a membrane-associated enzyme located at a branch point in the

mevalonate pathway. The encoded protein is the first specific enzyme in cholesterol

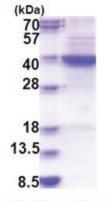
biosynthesis, catalyzing the dimerization of two molecules of farnesyl diphosphate in a two-

step reaction to form squalene. [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome

Protein Pathways: Metabolic pathways, Steroid biosynthesis

Product images:



15% SDS-PAGE (3ug)