

GGPS1, 1-300aa, Human, His tag, E.coli

Cat.NO.: TP02237

3th Edition

Synonyms:Geranylgeranyl pyrophosphate synthase isoform A, GGPPS, GGPPS1, GGPP synthetase

Description:Geranylgeranyl pyrophosphate synthase isoform A, also known as GGPS1, is a member of the prenyltransferase family. Predominantly expressed in testis, heart and skeletal muscle, GGPS1 localizes to the cytoplasm and catalyzes the formation of geranylgeranyl pyrophosphate, a precursor of geranylgeranylated proteins and carotenoids.

Form:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT,10% glycerol

Molecular Weight:37 kDa (320aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHHSSGLVPRGSHMEKTQETVQRILLEPYKYLLQLPGKQVVRTKLSQAFNHWLKVPEDKLQIIIEVTEML
HNASLLIDDIEDNSKLRRGFPVAHSIYGIPSVINSANYVYFLGLEKVLTDHPDAVKLFTRQELLEHQGGGLDIYWRDN
YTCPTEEEEKAMVLQKTGGFLGLAVGLMQLFSDYKEDLKPLLNTLGLFFQIRDDYANLHSKEYSENKSFCEDLTEG
KFSFPTIHAIWSRPESTQVQNILRQRTEENIDIKKYCVHYLEDVGSFEYTRNTLKELEAKAYKQIDARGGNPELVALVK
HLSKMFKEENE

Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.