

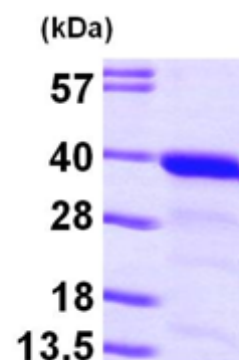
AR09640PU-L

Human GGPP synthetase (1-300, His-tag) - Purified

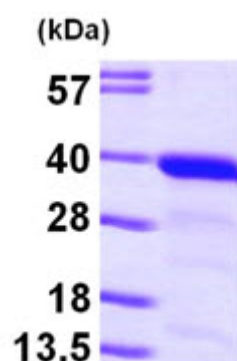
Alternate names:	GGPPSase, GGPS1, Geranylgeranyl pyrophosphate synthetase
Quantity:	0.5 mg
Concentration:	1.0 mg/ml (determined by Bradford assay)
Background:	Geranylgeranyl pyrophosphate synthase isoform A, also known as GGPS1, is a member of the prenyltransferase family. Predominantly expressed in testis, heart and skeletal muscle, GGPS1 localizes to the cytoplasm and catalyzes the formation of geranylgeranyl pyrophosphate, a precursor of geranylgeranylated proteins and carotenoids. GGPS1 is an important molecule responsible for the C20-prenylation of proteins and for the regulation of a nuclear hormone receptor.
Uniprot ID:	Q95749
NCBI:	NP_001032354
GeneID:	9453
Species:	Human
Source:	E. coli
Format:	State: Liquid purified protein Purity: >90% by SDS - PAGE Buffer System: 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol
Description:	Recombinant human GGPS1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. AA Sequence: MGSSHHHHH SSGLVPRGSH MEKTQETVQR ILLEPYKYL QLPGKQVRTK LSQAFNHWLK VPEDKLQIII EVTEMLHNAS LLIDDIEDNS KLRRGFPAH SIYGIPSVIN SANYVYFLGL EKVLTLDHPD AVKLFTRQLL ELHQGGGLDI YWRDNYTCPT EEEYKAMVLQ KTGGFLGLAV GLMQLFSDYK EDLKPLLNTL GLFFQIRDDY ANLHSKEYSE NKSFCEDLTE GKFSFPTIHA IWSRPESTQV QNILRQRTE IDIKKYCVHY LEDVGSFEYT RNTLKELEAK AYKQIDARGG NPELVALVKH LSKMFKEENE Molecular weight: kDa (320aa), confirmed by MALDI-TOF
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	Okada K., et al. (2000) Plant Physiol. 122:1045-1056.

Pictures:

Recombinant human GGPS1, 1- 300 aa,
His-tagged



15% SDS-PAGE (3ug)



15% SDS-PAGE (3ug)