

Product datasheet

Recombinant Human GGPS1 protein ab100959

1 Image

Description	
Product name	Recombinant Human GGPS1 protein
Purity	> 90 % SDS-PAGE. ab100959 was purified using conventional chromatography techniques.
Expression system	Escherichia coli
Accession	<u>O95749</u>
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MGSSHHHHHHSSGLVPRGSHMEKTQETVQRILLEPYKYL LQLPGKQVRTK LSQAFNHWLKVPEDKLQIIIEVTEMLHNASLLIDDIEDNSKL RRGFPVAH SIYGIPSVINSANYVYFLGLEKVLTDHPDAVKLFTRQLLEL HQQQGGLDI YWRDNYTCPTEEEYKAMVLQKTGGLFGLAVGLMQLFSDY KEDLKPLLNTL GLFFQIRDDYANLHSKEYSENKSFCEDLTEGKFSFPTIHAI WSRPESTQV QNILRQRTENIDIKKYCVHYLEDVGSFEYTRNTLKELEAKAY KQIDARGG NPELVALVKHLSKMFKEENE
Predicted molecular weight	37 kDa including tags
Amino acids	1 to 300
Tags	His tag N-Terminus

Specifications	
Our Abpromise guarantee covers the use of ab100959 in the following tested applications.	
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.	
Applications	Mass Spectrometry SDS-PAGE
Mass spectrometry	MALDI-TOF

Form Liquid

Preparation and Storage

Stability and Storage Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
pH: 8.00
Constituents: 0.0154% DTT, 0.316% Tris HCl, 10% Glycerol (glycerin, glycerine)

General Info

Function Catalyzes the trans-addition of the three molecules of IPP onto DMAPP to form geranylgeranyl pyrophosphate, an important precursor of carotenoids and geranylated proteins.

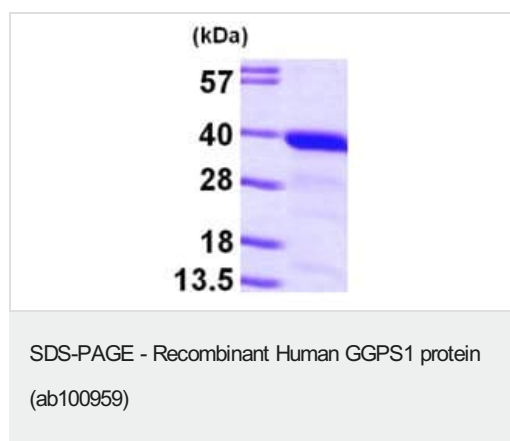
Tissue specificity Abundantly expressed in testis. Found in other tissues to a lower extent.

Pathway Isoprenoid biosynthesis; farnesyl diphosphate biosynthesis; farnesyl diphosphate from geranyl diphosphate and isopentenyl diphosphate: step 1/1.
Isoprenoid biosynthesis; geranyl diphosphate biosynthesis; geranyl diphosphate from dimethylallyl diphosphate and isopentenyl diphosphate: step 1/1.
Isoprenoid biosynthesis; geranylgeranyl diphosphate biosynthesis; geranylgeranyl diphosphate from farnesyl diphosphate and isopentenyl diphosphate: step 1/1.

Sequence similarities Belongs to the FPP/GGPP synthase family.

Cellular localization Cytoplasm.

Images



15% SDS-PAGE showing ab100959 at approximately 37kDa (3µg).

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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