
Product Data Sheet

Product Name: GGPS1 Human
 Cat. No.: GP21675
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	GGPPS; GGPPS1; GGPP synthetase.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MEKTQETVQR ILLEPYKYLQ LPLGKQVVRTK LSQAFNHWLK VPEDKLQIII EVTEMLHNAS LLIDDIEDNS KLRRGFVVAH SIYGIPSVIN SANYVYFLGL EKVLTLDHPD AVKLFTRQLL ELHQGQGLDI YWRDNYTCPT EEEYKAMVLQ KTGGLFGLAV GLMQLFSDYK EDLKPLLNTL GLFFQIRDDY ANLHSKEYSE NKSFCEDLTE GKFSFPTIHA IWSRPESTQV QNILRQRTE IDIKKYCVHY LEDVGSFEYT RNTLKELEAK AYKQIDARGG NPELVALVKH LSKMFKEENE.		
Formulation	GGPS1 Human recombinant (1mg/ml) protein solution contains 20mM Tris-HCl pH-8, 1mM DTT & 10% glycerol.		

Introduction

GGPS1 is PART of the prenyltransferase family. GGPS1 is widely expressed in testis, heart and skeletal muscle, GGPS1 is localized in the cytoplasm and catalyzes the formation of geranylgeranyl pyrophosphate, a precursor of geranylgeranylated proteins and carotenoids. GGPS1 is a significant enzyme that is responsible for the C20-prenylation of proteins and for the regulation of a nuclear hormone receptor.

Stability

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.

Background

GGPS1 Recombinant Human produced in E.Coli is a single, non-glycosylated polypeptide chain containing 320 amino acids (1-300 a.a.) and having a molecular mass of 37 kDa.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

The GGPS1 is fused to a 20 amino acids His-Tag at N-terminus and purified by proprietary chromatographic techniques.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA