

GGPS1 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00009453-T01 Size 100 uL

Applications



SDS-PAGE Gel

GGPS1 transfected lysate.

Western Blot

Lane 1: GGPS1 transfected lysate (33.11 KDa) Lane 2: Non-transfected lysate.

Specification	
Transfected Cell Line	293T
Plasmid	pCMV-GGPS1 full-length
Host	Human
Theoretical MW (kDa)	33.11
Interspecies Antigen Sequence	Mouse (93); Rat (95)



Product Information

Quality Control Testing	Transient overexpression cell lysate was tested with Anti-GGPS1 antibody (H00009453-B01) by We stern Blots. SDS-PAGE Gel GGPS1 transfected lysate. Western Blot Lane 1: GGPS1 transfected lysate (33.11 KDa) Lane 2: Non-transfected lysate.
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bro mophenol blue)
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

• Western Blot

Gene Info — GGPS1

Entrez GenelD	9453
GeneBank Accession#	<u>NM_004837.3</u>
Protein Accession#	<u>NP_004828.1</u>
Gene Name	GGPS1
Gene Alias	GGPPS, GGPPS1
Gene Description	geranylgeranyl diphosphate synthase 1
Omim ID	<u>606982</u>
Gene Ontology	<u>Hyperlink</u>
Gene Summary	This gene is a member of the prenyltransferase family and encodes a protein with geranylgeranyl diphosphate (GGPP) synthase activity. The enzyme catalyzes the synthesis of GGPP from farnesy I diphosphate and isopentenyl diphosphate. GGPP is an important molecule responsible for the C 20-prenylation of proteins and for the regulation of a nuclear hormone receptor. Alternate transcrip tional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq
Other Designations	OTTHUMP00000036073

Pathway

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- Biosynthesis of alkaloids derived from terpenoid and polyketide
- Biosynthesis of plant hormones
- Biosynthesis of terpenoids and steroids
- <u>Metabolic pathways</u>
- Terpenoid backbone biosynthesis