

Recombinant Human FDPS

Catalog No: #GP13381



Package Size: #GP13381-1 100ug

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

Description

Product Name	Recombinant Human FDPS
Brief Description	Recombinant Protein
Immunogen Description	Fusion protein corresponding to a region derived from 220-419 amino acids of human FDPS
Target Name	farnesyl diphosphate synthase
Other Names	FPS; FPPS; POROK9
Accession No.	Swissprot:P14324Gene Accession:BC010004
Uniprot	P14324
GeneID	2224;
Storage	-20~-80°C, pH 7.6 PBS

Background

This gene encodes an enzyme that catalyzes the production of geranyl pyrophosphate and farnesyl pyrophosphate from isopentenyl pyrophosphate and dimethylallyl pyrophosphate. The resulting product, farnesyl pyrophosphate, is a key intermediate in cholesterol and sterol biosynthesis, a substrate for protein farnesylation and geranylgeranylation, and a ligand or agonist for certain hormone receptors and growth receptors. Drugs that inhibit this enzyme prevent the post-translational modifications of small GTPases and have been used to treat diseases related to bone resorption. Multiple pseudogenes have been found on chromosomes 1, 7, 14, 15, 21 and X. Multiple transcript variants encoding different isoforms have been found for this gene.

References

Note: For in vitro research use only, not for diagnostic or therapeutic use. This product is not a medical device.

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