Human FDPS Protein

Cat. No. FDS-HE001

Description

Source	Recombinant Human FDPS Protein is expressed from E.coli with His tag at the N-Terminus.
	It contains Met1-Lys353.
Accession	NP_001129294.1
Molecular Weight	The protein has a predicted MW of 41.93 kDa same as Tris-Bis PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE
	> 95% as determined by HPLC

Formulation and Storage

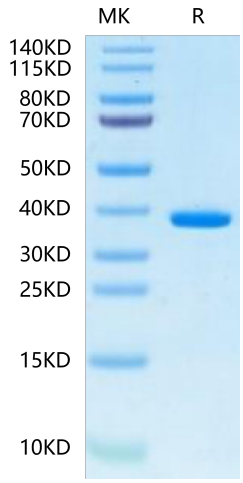
Formulation	Supplied as 0.22μm filtered solution in PBS (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C.Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

Farnesyl pyrophosphate synthase (FPPS, also known as farnesyl diphosphate synthase (FDPS)) is one of the key enzymes involved in the mevalonate pathway and as such is widely expressed. FPPS modulators, specifically FPPS inhibitors, are useful in treating a number of diseases, including bone-related disorders characterized by excessive bone resorption, for example, osteoporosis, cancer metathesis to bone and infectious diseases caused by certain parasites.

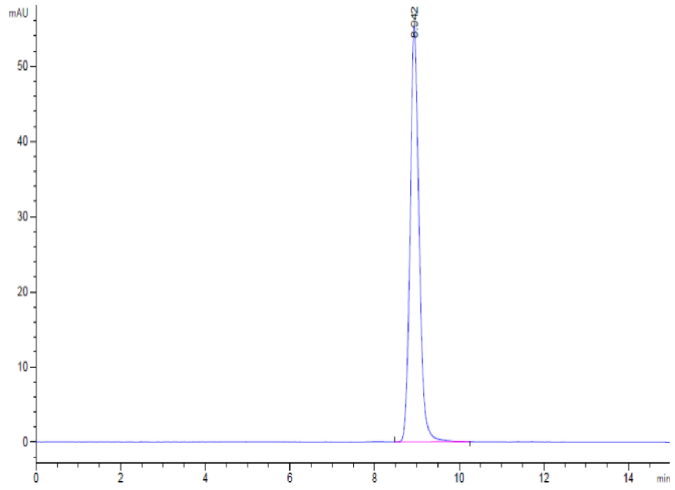
Assay Data

Tris-Bis PAGE



Human FDPS on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



The purity of Human FDPS is greater than 95% as determined by SEC-HPLC.