

Recombinant Human DSPP Protein, His&GST-tagged

Cat. No. DSPP-1390H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human DSPP Protein (Gly82-Glu326) with N-His&GST tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Gly82-Glu326
Description	This gene encodes a member of the small integrin-binding ligand N-linked glycoprotein (SIBLING) family of proteins. The encoded preproprotein is secreted by odontoblasts and proteolytically processed to generate two principal proteins of the dentin extracellular matrix of the tooth, dentin sialoprotein and dentin phosphoprotein. These two protein products may play distinct but related roles in dentin mineralization. Mutations in this gene are associated with dentinogenesis imperfecta and dentin dysplasia. This gene is present in a gene cluster on chromosome 4. Allelic differences due to repeat polymorphisms have been found for this gene.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 55.6 kDa Accurate Molecular Mass: 70 kDa
Purity	> 80%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in ddH2O to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	DSPP dentin sialophosphoprotein [Homo sapiens (human)]
Official Symbol	DSPP
Synonyms	DSPP; dentin sialophosphoprotein; DPP; DSP; DGI1; DMP3; DFNA39; dentin sialophosphoprotein; deafness, autosomal dominant 39; dentin phosphophoryn; dentin phosphoprotein; dentin phosphoryn; dentin sialoprotein
Gene ID	1834
mRNA Refseq	NM_014208
Protein Refseq	NP_055023

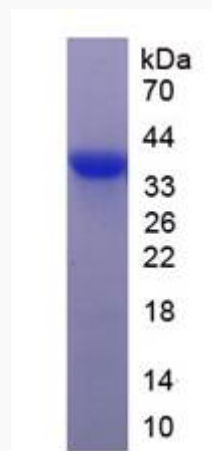
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