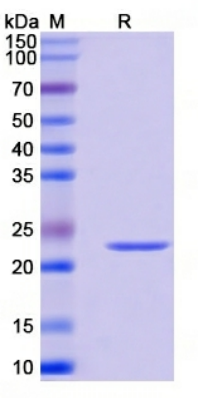
SFRP4 Mouse Recombinant Protein

PRODUCT OVERVIEW

Product Name	SFRP4, Recombinant Protein
Full Product Name	Recombinant Mouse SFRP4 Protein, N-His-SUMO
Product Gene Name	SFRP4 recombinant protein
Product Synonym Names	sFRP-4; FRP-4; Secreted frizzled-related sequence protein 4; Sfrp4
Host	E coli
Form/Format	Lyophilized from a solution in PBS pH7.4, 0.02% NLS, 1mM EDTA, 4% Trehalose, 1% Mannitol.
Purity/Purification	>90% as determined by SDS-PAGE
Preparation and Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 degree C for one week. Store at -20 degree C for twelve months from the date of receipt.
Molecular Weight	40,342 Da
Sequence Positions	Glu25-Asn116
3D Structure	ModBase 3D Structure for Q9Z1N6
Species	Mouse
Reconstitution	Reconstitute in sterile water for a stock solution.
Product Categories/Family for SFRP4 recombinant protein	Recombinant Proteins
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for SFRP4 recombinant protein	SDS-PAGE (SDS), Western Blot (WB), ELISA (EIA), Immunogen
Related Product Information for SFRP4 recombinant protein	MBS1578472 is a recombinant protein targeting SFRP4. Also known as Recombinant Mouse SFRP4 Protein, N-His-SUMO. Host: E coli.
Other Notes	Small volumes of SFRP4 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



SDS-Page of SFRP4 recombinant protein
SDS PAGE for Recombinant Mouse SFRP4 protein

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SFRP4. It may not necessarily be applicable to this product.

NCBI GI #	7710094
NCBI GeneID	20379
NCBI Accession #	NP_057896.1
UniProt Primary Accession #	Q9Z1N6
UniProt Secondary Accession #	Q91ZX9
UniProt Related Accession #	Q9Z1N6
GenBank Nucleotide #	NM_016687.3
NCBI Official Full Name	secreted frizzled-related sequence protein 4
NCBI Official Synonym Full Names	secreted frizzled-related protein 4
NCBI Official Symbol	Sfrp4
UniProt Protein Name	Secreted frizzled-related sequence protein 4
Protein Family	Secreted frizzled-related protein
UniProt Gene Name	Sfrp4
UniProt Synonym Gene Names	FRP-4; sFRP-4
NCBI Protein Information	secreted frizzled-related sequence protein 4
UniProt Comments for SFRP4	Soluble frizzled-related proteins (sFRPS) function as modulators of Wnt signaling through direct interaction with Wnts. They have a role in regulating cell growth and differentiation in specific cell types (PubMed:27355534). SFRP4 plays a role in bone morphogenesis (PubMed:27355534). May also act as a regulator of adult uterine morphology and function. May also increase apoptosis during ovulation possibly through modulation of FZ1/FZ4/WNT4 signaling (). Has phosphaturic effects by specifically inhibiting sodium-dependent phosphate uptake ().
Research Articles on SFRP4	**1.** Our study showed that Pyle's disease was caused by a deficiency of sFRP4 and that sFRP4-mediated cross-regulation between Wnt and BMP signaling was critical for achieving proper cortical-bone thickness and stability.
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