

Active Recombinant Human SFRP5 Protein, HA-tagged

Cat. No. SFRP5-2621H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human SFRP5 Protein (Glu30-His317) with an N-terminal HA (YPYDVPDYA) tag was expressed in Chinese Hamster Ovary cell line.
Species	Human
Source	CHO
ProteinLength	30-317 a.a.
Description	Secreted frizzled-related protein 5 (SFRP5) is a member of the SFRP family that contains a cysteine-rich domain homologous to the putative Wnt-binding site of Frizzled proteins. SFRPs act as soluble modulators of Wnt signaling. SFRP5 and SFRP1 may be involved in determining the polarity of photoreceptor cells in the retina. SFRP5 is highly expressed in the retinal pigment epithelium, and moderately expressed in the pancreas.
Predicted N Terminal	Tyr (HA), Trp37 & Ser46
Bio-activity	Measured by its ability to inhibit Topflash reporter activity in HEK293T human embryonic kidney cells. The ED50 for this effect is 0.25-1 µg/mL in the presence of 100 ng/mL Recombinant Mouse Wnt-3a.
Molecular Mass	30-40 kDa, reducing conditions
Endotoxin	<0.10 EU per 1 µg of the protein by the LAL method.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Purity	>95%, by SDS-PAGE under reducing conditions and visualized by silver stain
Storage	Avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 3 months, -20 to -70 centigrade under sterile conditions after reconstitution.
Storage Buffer	Lyophilized from a 0.2 µm filtered solution in PBS and NaCl.
Reconstitution	Reconstitute at 100 µg/mL in PBS.

GENE INFORMATION

Gene Name	SFRP5 secreted frizzled related protein 5 [Homo sapiens (human)]
Official Symbol	SFRP5
Synonyms	SFRP5; secreted frizzled related protein 5; SARP3; secreted frizzled-related protein 5; FRP-1b; SARP-3; frizzled-related protein 1b; sFRP-5; secreted apoptosis related protein 3
Gene ID	6425
mRNA Refseq	NM_003015
Protein Refseq	NP_003006
MIM	604158
UniProt ID	Q5T4F7

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