

Active Recombinant Human Follistatin-Like 4, His-tagged

Cat. No. FSTL4-563H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinanthuman FSTL4 protein was expressed in Chinese Hamster Ovary cell line, CHO-derived,with an N-terminus 7-His tag and Asn. Trp23-Val842.
Species	Human
Source	CHO
ProteinLength	23-842 a.a.
Description	FSTL4 is apresumably secreted member of the follistatin domain-containing protein family.FSTL4 itself is a potent inhibitor of the TGF- β superfamily member, activin,and this activity is reflected in several other proteins of this family thatcontain varying numbers of the cysteine-rich follistatin domain.
Form	Lyophilizedfrom a 0.2 μ m filtered solution in PBS.
N-terminal Sequence	His
Molecular Weight	93.6 kDa
Activity	Measured by itsability to inhibit BMP-6-induced alkaline phosphatase production by MC3T3-E1 mouseosteoblastic cells. The ED50 for this effect is typically 2-10 μ g/mLin the presence of 0.1 μ g/mL of recombinant human BMP-6.
Endotoxin Level	<1.0 EU per 1 μ gof the protein by the LAL method.

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SDS-PAGE	100 kDa, reducing conditions
Purity	>95%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Reconstitution	Reconstitute at 300µg/mL in sterile PBS.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 °C as supplied. 1 month, 2 to 8 °C under sterile conditions after reconstitution. 3 months, -20 to -70 °C under sterile conditions after reconstitution.

GENE INFORMATION

Gene Name	FSTL4 follistatin-like 4 [Homosapiens]
Official Symbol	FSTL4
Synonyms	FSTL4; follistatin-like 4; follistatin-related protein 4; KIAA1061; Follistatin like 4; Follistatin related protein 4; FSTL 4; follistatin-like protein 4; OTTHUMP00000222585; OTTHUMP00000222586
Gene ID	23105
mRNA Refseq	NM_015082
Protein Refseq	NP_055897
UniProt ID	Q6MZW2
Chromosome Location	5q31.1

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Function

calcium ion binding

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