

Recombinant Human Follistatin (Human Follistatin)

Product Information

Product Name	Cat#	Size
Recombinant Human Follistatin (Human Follistatin)	92530ES08	5 µg
	92530ES60	100 µg
	92530ES76	500 µg

Product Description

Follistatin (FS) was initially identified as a follicle-stimulating hormone inhibiting substance found in ovarian follicular fluid. It has since been shown that FS is a high-affinity activin-binding protein that can act as an activin antagonist. Two alternatively spliced follistatin mRNAs, encoding mature FS with 288 amino acid (aa) residues (FS-288) and 315 aa residues (FS-315), exist. Natural FS purified from porcine ovaries is primarily a carboxy-terminal truncated form of FS-315 composed of 300 aa residues. Cell surface-associated FS has been suggested to play a role in the clearance and bioavailability of activin in vivo. Besides activin, FS has also been shown to bind with multiple BMPs and to inhibit BMP activity in early *Xenopus* embryos. FS deficient mice have been shown to have multiple embryonic defects that will result in death shortly after birth.

Product Properties

Synonyms	FS; FSActivin-binding protein; FST
Accession	P19883
GeneID	10468
Source	<i>E.coli</i> -derived Human Follistatin, Gly30-Asn317.
Molecular Weight	Approximately 31.5 kDa.
AA Sequence	GNCWLRQAKN GRCQVLYKTE LSKEECCSTG RLSTSWTEED VNDNTLFKWM IFNGGAPNCI PCKETCENV D CGPGKKCRMN KKNKPRCVCA PDCSNITWKG PVCGLDGKTY RNECALLKAR CKEQPELEVQ YQGRCKKTCR DVFCPGSSTC VVDQTNNAYC VTCNRICPEP ASSEQYLCGN DGVTYSSACH LRKATCLLGR SIGLAYEGKC IKAKSCEDIQ CTGGKKCLWD FKVGRGRCSL CDELCPDSKS DEPVCASDNA TYASECAMKE AACSSGVILLE VKHSGSCN
Tag	None
Physical Appearance	Sterile Filtered White lyophilized (freeze-dried) powder.
Purity	> 95% by SDS-PAGE and HPLC analyses.
Biological Activity	Testing in Progress.
Endotoxin	< 1.0 EU per 1µg of the protein by the LAL method.
Formulation	Lyophilized from a 0.2 mm filtered concentrated solution in 20mM Tris-HCl, pH 8.5, 150 mM NaCl. We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom.
Reconstitution	Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤ -20°C. Further dilutions should be made in appropriate buffered solutions.

Shipping and Storage

The products are shipped with ice pack and can be stored at -20°C to -80°C for 1 year.

Recommend to aliquot the protein into smaller quantities when first used and avoid repeated freeze-thaw cycles.

Cautions

1. Avoid repeated freeze-thaw cycles.
2. For your safety and health, please wear lab coats and disposable gloves for operation.
3. For research use only!