

FST

Recombinant Human Follistatin

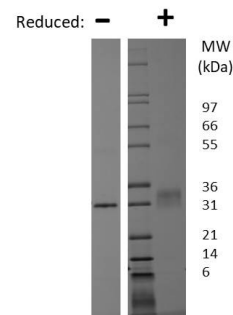
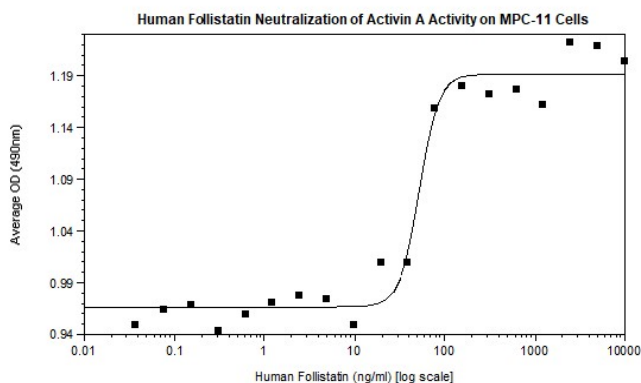
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|-----------------------------|--|------------------|-----------------------------------|
| Catalog No. | CRF024A CRF024B CRF024C CRF024D | Quantity: | 5 µg 20 µg 1.0 mg 100 µg |
| Alternate Names: | FST, FS, Activin-binding protein. | | |
| Description: | Follistatin is an autocrine acting protein that is expressed by many tissues, but at notably higher levels in the ovary and skin. Follistatin functions to negatively regulate the signaling of a wide variety of TGF-beta family members (activin, BMPs, myostatin, GDF-11 and TGF-beta 1). Mechanistically, follistatin works as an antagonist by complexing with TGF-beta family members to prevent them from interacting with their signaling receptors. | | |
| UniProt ID: | P19883 | | |
| Gene ID: | 10468 | | |
| Source: | <i>E. coli</i> | | |
| Molecular Weight: | 31.7 kDa (289 aa) | | |
| Formulation: | Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 10 mM sodium phosphate, 50 mM sodium chloride, pH 7.5 | | |
| Purity: | > 95.0% by reducing and non-reducing SDS-PAGE | | |
| Endotoxin Level: | ≤ 0.1 EU/µg, by kinetic LAL analysis | | |
| Biological Activity: | ≤ 200 ng/ml, determined by the dose-dependent neutralization of Human Activin A induced cytotoxicity of MPC-11 cells | | |
| Specific Activity: | ≥ 5.0 x 10 ³ units/mg | | |
| Amino Acid Sequence: | MGNCWLRQAK NGRCQVLYKT ELSKEECST GRLSTSWTEE DVNDNTLFKW MIFNGGAPNC IPCKETCENV DCGPGKKCRM NKKNKPRCVC APDCSNITWK GPVCGLDGKT YRNECALLKA RCKEQPELEV QYQGRCKKTC RDVFCPGSST CVVDQTNAY CVTCNRICPE PASSEQYLCG NDGVITYSSAC HLRKATCLLG RSIGLAYEGK CIKAKSCEDI QCTGGKKCLW DFKVGRGRCS LCDELCPDSK SDEPVCASDN ATYASECAMK EAACSSGVLL EVKHSGSCN | | |
| Reconstitution: | Centrifuge vial prior to opening. When reconstituting the product, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution. It is recommended to reconstitute the lyophilized product with sterile water at a concentration of 0.1 mg/mL, which can be further diluted into other aqueous solutions. | | |



Storage & Stability:

Store as supplied at -20°C to -80°C for up to 1 year. Upon reconstitution, prepare working aliquots and store at -20°C to -80°C. It is recommended that a carrier protein (0.1% HSA or BSA) is added for long term storage.

Please note that the addition of any carrier protein into this product may produce unwanted endotoxin. This depends upon the particular application employed. Avoid repeated freeze-thaw cycles.



Human Follistatin Gel

Figure: 1 ug run under (-) non-reducing conditions and (+) reducing conditions in a 4-20% Tris-Glycine gel, stained with Coomassie Blue. Human Follistatin is predicted to have a MW of 31.7 kDa.

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.



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