

Mouse FST Recombinant Protein



RPPB0265

Product Information Protein Information

Product SKU:

RPPB0265

Accession:

P47931

Host:

Escherichia Coli.

Protein description:

Follistatin Mouse Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 289 amino acids and having a total molecular mass of 31.6kDa. The FST is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

Follistatin, FST, FS, Activin-binding protein, AL033346.

Formulation:

The Mouse Follistatin is lyophilized from 10mM Na₂PO₄ and 50mM NaCl, pH 7.5.

Purity:

Greater than 90.0% as determined by SDS-PAGE.

Solubility:

It is recommended to reconstitute the lyophilized Follistatin in sterile 18MΩ-cm H₂O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Stability:

Lyophilized Follistatin although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution FST should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Amino Acid Sequence:

MGNCWLRQAK NGRCQVLTKT ELSKEECST GRLSTSWTEE DVNDNTLFKW MIFNGGAPNC IPCKETCENV
DCGPGKKCRM NKKNKPRVCV APDCSNITWK GPVCGLDGKT YRNECALLKA RCKEQPELEV QYQGRCKKTC
RDVFCPGSST CVVDQTNNAY CVTCNRICPE PASSEQYLCG NDGVTYSSAC HLRKATCLLG RSIGLAYEGK
CIKAKSCEDI QCTGGKKCLW DS.

Biological Activity:

The ED₅₀, determined by the dose-dependent neutralization of 7.5ng/ml human Activin-A on MCP-11 cells, is 0.13-0.19µg/ml.