

# Recombinant human Follistatin protein ab50163

### Description

<b>Product name</b>	Recombinant human Follistatin protein
<b>Biological activity</b>	Determined by its ability to neutralize Activin A inhibitory effect of murine MPC-11 cells. The expected <b>ED</b> <sub>50</sub> is 0.1-0.4 µg/ml in the presence of 7.5 ng/ml Activin A.
<b>Purity</b>	> 95 % SDS-PAGE. Endotoxin level is less than 0.1 ng per µg (1EU/µg).
<b>Expression system</b>	Escherichia coli
<b>Accession</b>	<b><u>P19883-2</u></b>
<b>Protein length</b>	Full length protein
<b>Animal free</b>	No
<b>Nature</b>	Recombinant
<b>Species</b>	Human
<b>Sequence</b>	GNCWLRQAKN GRCQVLYKTE LSKEECCSTG RLSTSWTEED VNDNTLFKWM IFNGGAPNCI PCKETCENVD CGPGKKCRMN KKNKPRCVCA PDCSNITWKG PVCGLDGKTYRNECALLKAR CKEQPELEVQ YQGRCKKTCR DVFCPGSSTC VVDQTNNAVC VTCNRICPEP ASSEQYLCGN DGVTYSSACH LRKATCLLGR SIGLAYEGKC IKAKSCEDIQ CTGGKKCLWD FKVGRGRCSL CDELCPDSKS DEPVCASDNA TYASECAMKE AACSSGVILLE VKHSGSCN
<b>Predicted molecular weight</b>	32 kDa
<b>Amino acids</b>	30 to 317

### Specifications

Our **Abpromise guarantee** covers the use of **ab50163** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<b>Applications</b>	SDS-PAGE Functional Studies
<b>Form</b>	Lyophilized

## Preparation and Storage

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<b>Stability and Storage</b>	Shipped at 4°C. The lyophilized protein is stable for a few weeks at room temperature. Store at -20°C long term.  This product is an active protein and may elicit a biological response in vivo, handle with caution.
<b>Reconstitution</b>	For lot specific reconstitution information please contact our Scientific Support Team.

## General Info

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<b>Function</b>	Binds directly to activin and functions as an activin antagonist. Specific inhibitor of the biosynthesis and secretion of pituitary follicle stimulating hormone (FSH).
<b>Tissue specificity</b>	Isoform 1 is the predominant isoform in serum but is undetectable in follicular fluid.
<b>Sequence similarities</b>	Contains 3 follistatin-like domains. Contains 3 Kazal-like domains. Contains 1 TB (TGF-beta binding) domain.
<b>Cellular localization</b>	Secreted.

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**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

## Our Abpromise to you: Quality guaranteed and expert technical support

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- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
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If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

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