

Product datasheet

Recombinant human Follistatin protein ab50163

Description

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| Product name | Recombinant human Follistatin protein | |
| Biological activity | Determined by its ability to neutralize Activin A inhibitory effect of murine MPC-11 cells. The expected ED₅₀ is 0.1-0.4 µg/ml in the presence of 7.5 ng/ml Activin A. | |
| Purity | > 95 % SDS-PAGE. Endotoxin level is less than 0.1 ng per µg (1EU/µg). | |
| Expression system | Escherichia coli | |
| Accession | P19883-2 | |
| Protein length | Full length protein | |
| Animal free | No | |
| Nature | Recombinant | |
| Species | Human | |
| Sequence | 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 | |
| Predicted molecular weight | 32 kDa | |
| Amino acids | 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.

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|---------------------|--------------------------------|
| Applications | SDS-PAGE Functional Studies |
| Form | Lyophilized |

Preparation and Storage

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|------------------------------|--|
| Stability and Storage | 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. |
| Reconstitution | For lot specific reconstitution information please contact our Scientific Support Team. |

General Info

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

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

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