

Product datasheet

Recombinant mouse Activin A protein ab151688

[2 Images](#)

Description

Product name	Recombinant mouse Activin A protein
Biological activity	The activity is determined by the ability to induce cytotoxicity of MPC-11 cells and is typically less than 2 ng/mL.
Purity	>= 95 % SDS-PAGE. ab151688 is >95% pure as assessed by HPLC, Reducing and Non-reducing SDS-PAGE.
Endotoxin level	>=1.000 Eu/µg
Expression system	Escherichia coli
Accession	Q04998
Protein length	Protein fragment
Animal free	No
Nature	Recombinant
Species	Mouse
Sequence	<pre> MGLECDGKVN ICCKKQFFVS FKDIGWNDWI IAPSGYHANY CECECPSHIA GTSGSSLSFH STVINHYRMR GHSPFANLKS CCVPTKLRPM SMLYDDGQN IIKKDIQNMI VEECGCS </pre>
Predicted molecular weight	26 kDa
Amino acids	309 to 424
Additional sequence information	Activin A is a non-glycosylated homodimer, containing two 117 aa chains. It is a homodimer of 2 beta A chains & is not biologically active until the N ter propeptide is cleaved from each.

Specifications

Our [Abpromise guarantee](#) covers the use of **ab151688** in the following tested applications.

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

Applications	Functional Studies SDS-PAGE HPLC
Form	Lyophilised
Additional notes	This product shares 100% homology with amino acids 309 - 424 of Rat Activin A and amino

Preparation and Storage

Stability and Storage

Shipped at 4°C. Store at -20°C.

Constituent: 0.02% Trifluoroacetic acid

This product is an active protein and may elicit a biological response in vivo, handle with caution.

Reconstitution

Centrifuge vial before 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, which can then be further diluted to other aqueous solutions. Reconstituted material should be aliquoted and frozen at -20°C. It is recommended that a carrier protein (0.1% HSA or BSA) is added for long term storage.

General Info

Function

Inhibins and activins inhibit and activate, respectively, the secretion of follitropin by the pituitary gland. Inhibins/activins are involved in regulating a number of diverse functions such as hypothalamic and pituitary hormone secretion, gonadal hormone secretion, germ cell development and maturation, erythroid differentiation, insulin secretion, nerve cell survival, embryonic axial development or bone growth, depending on their subunit composition. Inhibins appear to oppose the functions of activins.

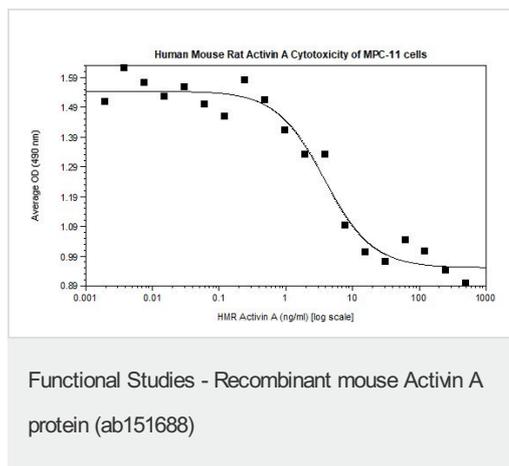
Sequence similarities

Belongs to the TGF-beta family.

Cellular localization

Secreted.

Images



Functional analysis of ab151688



SDS PAGE analysis of ab151688 under non-reducing (-) and reducing (+) conditions. Stained with Coomassie Blue.

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

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