

Active Recombinant Mouse Rspo1, Fc-tagged

Cat. No. Rspo1-724M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The recombinant mouse RPSO1-Fc fusion is expressed as a 483 amino acid protein consisting of Ser21 - Gln265 region of (UniProt accession #Q9Z132) and a C-terminal Fc from human IgG1, which exists as a dimer under non-reducing conditions.
Species	Mouse
Source	Human Cells
ProteinLength	21-265 a.a.
Form	Supplied at 0.5 mg/ml in sterile PBS pH7.4 (carrier & preservative free).
Bio-activity	Synergizes with Wnt3a to stabilize β -catenin protein levels and induces the activation of β -catenin responsive Luciferase reporter gene in HEK293 cells with a typical ED50 of 60 - 300 ng/ml.
Molecular Mass	Calculated molecular mass (kDa): 53.8; Estimated by SDS-PAGE under reducing condition (kDa): 55-60.
AA Sequence	SRGIKGRQRRISAEGSQACAKGCSEVNGCLKCSPKLFILLERNDIRQVGVCLP SCPPGYFDARNPDMNKCI KCKIEHCEACFSHNFCTKCQEGLYLHKGRYCYPACPEG STAA NSTMECGSPAQCCEMSEWSPWGPCSKKRKLCGFR KGSEERTRRVLHAPGG DH TTCSDTKETRKCTVRRTPCPEGQKRRKGGQGRRENANRHPARKNSKEPGSNS RRHK GQQQPQPGTTGPLTSVGPTWAQSTTENLYFQGSGTHTCPPCPAPPELLGG PSVFLFPPKPKDTLMISRTPEVTC VVVDVSHEDPEVKFNWYVDGVEVHNAKTKPRE

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EQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKT ISKAKGQPREPQVY
 TLPPSREEMTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTPVLDSDGSFF
 LYSK LTVDKSRWQQGNV FSCSV MHEALHNHYTQKSLSLSPGK

Endotoxin

<0.1 eu="" per="" 1="" μg="" of="" purified="" recombinant="" protein=""
 determined="" by="" the="" lal="">

Purity

>95% judged by SDS-PAGE under reducing condition

Storage

The product is shipped at 4°C. Upon receipt, centrifuge the product briefly before opening the vial. It is recommended to store small aliquots at the temperature below -20°C for long-term storage and the product is stable for 3 months. The undiluted protein can be stored at 4°C for no more than 2 weeks. Avoid repeated freeze-thaw cycles.

GENE INFORMATION

Gene Name

[Rspo1 R-spondin homolog \(Xenopus laevis\) \[Mus musculus \]](#)

Official Symbol

[Rspo1](#)

Synonyms

RSPO1; R-spondin homolog (Xenopus laevis); R-spondin-1; cristin-3; mCristin-3; roof plate-specific spondin-1; thrombospondin type 1 domain containing gene Rspodin; cysteine-rich and single thrombospondin domain-containing protein 3; Rspodin; R-spondin;

Gene ID

[192199](#)

mRNA Refseq

[NM_138683](#)

Protein Refseq

[NP_619624](#)

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MIM

UniProt ID

Function heparin binding; receptor binding;

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