

## 32-20656: Recombinant Murine R-Spondin-1(Discontinued)

**Reactivity :** Mouse

**Alternative Name :** Roof plate-specific Spondin-1, RSP01

### Description

#### Source:CHO cells

R-Spondin-1 (Rspo-1) belongs to the (Rspo) family of Wnt modulators. Currently, the family consists of four structurally related secreted ligands (Rspo 1-4), all containing the furin-like and thrombospondin structural domains. Rspo-1 is expressed in certain areas of the developing central nervous system, as well as in the adrenal glands, ovary, testis, thyroid, and trachea. Rspo can interact with the Frizzled/LRP6 receptor complex in a manner that stimulates the Wnt/beta-catenin signaling pathway. Recombinant Murine R-Spondin-1 is a 27.1 kDa protein consisting of 245 amino acid residues. Due to glycosylation, R-Spondin-1 migrates at an apparent molecular weight of approximately 40.0 kDa by SDS-PAGE analysis under reducing conditions.

### Product Info

**Amount :** 5 µg / 20 µg

**Purification :** Purity: >= 95% by SDS-PAGE gel and HPLC analyses.

**Content :** This recombinant protein is supplied in lyophilized form.

**Amino Acid :** SRGIKGRQR RISAEGSQAC AKGCELCSEV NGCLKCSPKL FILLERNDIR QVGVCLPSCP PGYFDARNPD  
MNKCIKCKIE HCEACFSHNF CTKCQEGLYL HKGRCYPACP EGSTAANSTM ECGSPAQCEM  
SEWSPWGPCS KKRKLCGFRK GSEERTRRVL HAPGGDHTTC SDTKETRKCT VRRTPCPEGQ  
KRRKGGQGR ENANRHPARK NSKEPGNSR RHKGQQQPQ GTTGPLTSVG PTWAQ

### Application Note

R-Spondin-1 enhances BMP-2-mediated differentiation of MC3T3-E1 cells.