

## 32-13391: RSPO1 Mouse

**Alternative Name :** R-spondin-1, Cristin-3, mCristin-3, Roof plate-specific spondin-1, Rspo1, RSPO, R-spondin 1, R-spondin, Rspodin, CRISTIN3.

### Description

Source: Sf9, Baculovirus cells.

Sterile Filtered colorless solution.

R-Spondin-1 (Rspo1) is a part of the Rspodin family. Rspo1 plays a role as an activator of the canonical Wnt signaling pathway by acting as a ligand for LGR4-6 receptors. Rspo1 induces the onset of crypt cell proliferation and increases intestinal epithelial healing effect. Rspo1 is negatively regulating the TGF-beta pathway.

RSPO1 produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 254 amino acids (21-265a.a.) and having a molecular mass of 28.2kDa (Molecular size on SDS-PAGE will appear at approximately 28-40kDa). RSPO1 is expressed with an 9 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

### Product Info

**Amount :** 2 µg / 10 µg

**Purification :** Greater than 90.0% as determined by SDS-PAGE.

**Content :** RSPO1 protein solution (0.5mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.

**Storage condition :** Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

**Amino Acid :** ADPSRGIK GK RQRRISAEGS QACAKGCELC SEVNGCLKCS PKLFILLERN DIRQVGVCLP SCPPGYFDAR  
NPDMNKCIC KIEHCEACFS HNFCTKCQEG LYLHKGRCP ACPEGSTAAN STMECGSPAQ  
CEMSEWSPWG PCSKRRKLCG FRKGSEERTR RVLHAPGGDH TTCSDTKETR KCTVRRTPCP  
EGQRRKGGQ GRRENANRHP ARKNSKEPGS NSRRHKGQQQ PQPGTTGPLT SVGPTWAQHH HHHH.