

Rspo1, 21-265aa, Mouse, His-tag, Baculovirus

Cat.NO.: TP03806

3th Edition

Synonyms:R-spondin-1, Rspo1, RSPO, R-spondin 1, R-spondin, Rspodin, CRISTIN3

Description:Rspo1, as known as R-spondin-1, is a member of the Rspodin family. It is an activator of the canonical Wnt signaling pathway by acting as a ligand for LGR4-6 receptors and in non-canonical Wnt signaling pathway by acting as an inhibitor of ZNRF3. Also, this protein induces the rapid onset of crypt cell proliferation and increases intestinal epithelial healing effect. Recombinant mouse Rspo1, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Form:Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.

Molecular Weight:28.2kDa (254aa), 28-40kDa (SDS-PAGE under reducing conditions.)

Sequences:

ADPSRGIKGRQRRISAEGSQACAKGCELCSEVNGCLKCSPKLFILLERNDIRQVGVCLPSCPPGYFDARNPDMNK
CIKCKIEHCEACFSHNFCTKCQEGLYLHKGRCPACPEGSTAANSTMECGSPAQCEMSEWSPWGPCSKRKLGG
FRKGSEERTRRVLHAPGGDHTTCSDTKETRKCTVRRTPCPEGQKRRKGGQGRRENANRHPARKNSKEPGSNSR
RHKGQQQPQPGTTGPLTSVGPTWAQH HHHHHH

Purity:> 95% by HPLC

Concentration:0.5mg/ml (determined by Absorbance at 280nm)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.