

## 32-7846: Recombinant Human R-Spondin-3/RSPO3 (C-Fc-6His)

**Gene :** RSPO3  
**Gene ID :** 84870  
**Uniprot ID :** Q9BXY4

### Description

Source: Human Cells.

MW :56.3kD.

Recombinant Human R-spondin-3 is produced by our Mammalian expression system and the target gene encoding Gln22-His272 is expressed with a Fc, 6His tag at the C-terminus. R-spondin-3 (RSPO3), also known as Protein with TSP type-1 repeat, Roof plate-specific spondin-3, Thrombospondin type-1 domain-containing protein 2, PWTSR, THSD2 and CRISTIN1, is a member of the thrombospondin type 1 repeat supergene family. RSPO3 is a secreted protein and widely expressed in many tissues. RSPO3 contains two Furin-like repeats which have been found in a variety of eukaryotic proteins involved in the mechanism of signal transduction by receptor tyrosine kinases, and one TSP type-1 domain, RSPO3 functions as an activator of the beta-catenin signaling cascade, leading to TCF-dependent gene activation. Otherwise, RSPO3 may negatively regulate the TGF-beta pathway.

### Product Info

**Amount :** 10 µg / 50 µg

**Content :** Lyophilized from a 0.2 µm filtered solution of 20mM PB,150mM NaCl,pH7.2.

**Storage condition :** Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.

**Amino Acid :** QNASRGRRQRRMHPNVSQGCQGGCATCSYNGCLSCPKRLFFALERIGMKQIGVCLSSCPGGYGYTRYPDIN  
KCTKCKADCDCFNKNFCTKCKSGFYHLGKCLDNCPEGLEANNHTMECVSIVHCEVSEWNPWSPCTKKGKT  
CGFKRGTTETRVREIIQHPSAKGNLCPPTNETRKCTVQRKKCKGGERGKKGRERKRKPNKGESKEAIPDSKSLE  
SSKEIPEQRENKQQQKKRKVQDKQKSVSVSTVHVDDIEGRMDPEKSCDKTHTCPPCPAPELLGGPSVFLFPPKPK  
KDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEY  
KCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTT  
PPVLDSDGSFFLYSKLTVDKSRWQQGNVFCFSVMHEALHNHYTQKSLSLSPGKHHHHHHH

### Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in ddH<sub>2</sub>O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.