

32-4716: Recombinant Human R-Spondin-3

Alternative Name : R-spondin-3, Protein with TSP type-1 repeat, hPWTSR, Roof plate-specific spondin-3, hRspo3, Thrombospondin type-1 domain-containing protein 2, RSPO3, PWTSR, THSD2, THSD2, CRISTIN1.

Description

Source : HEK293 cells. Recombinant Human R-Spondin-3 produced in HEK293 cells is a polypeptide chain starting at amino acid at position 22 to amino acid at position 200, fused to an FC-6xHis-tag at C-terminus, containing a total of 498 amino acids. RSPO3 is a truncated protein that lacks amino acid V at position 180 to amino acid H at position 251 and purified by proprietary chromatographic techniques. R-spondin-3 (RSPO3) belongs to the thrombospondin type 1 repeat supergene family. RSPO3 is a secreted protein which is widely expressed in many tissues. RSPO3 contains 2 Furin-like repeats which have been found in various eukaryotic proteins involved in the mechanism of signal transduction by receptor tyrosine kinases, and one TSP type-1 domain. RSPO3 acts as an activator of the beta-catenin signaling cascade, initiating TCF-dependent gene activation.

Product Info

Amount : 20 µg
Purification : Greater than 95% as determined by SDS PAGE.
Content : RSPO3 was lyophilized from a 0.2mM filtered solution in PBS, pH 7.4.
Storage condition : Lyophilized RSPO3 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution RSPO3 should be stored at 4°C between 2-7 days and for future use below -18°C. Please prevent freeze-thaw cycles.
Amino Acid : QNASRGRRQR RMHPNVSQGC QGGCATCSDY NGCLSCKPRL FFALERIGMK QIGVCLSSCP
SGYYGTRYPD INKCTKCKAD CDTCFNKNFC TKCKSGFYLI LGKCLDNCPE GLEANNHTME CVSIVHCEVS
EWNPWSPCTK KGTKCGFKRG TETRVREIIQ HPSAKGNLCP PTNETRKCTV DDIEGRMDEP KSCDKTHTCP
PCPAPELLGG PSVFLFPPKP KDTLMISRTP EVTCVVVDVS HEDPEVKFNW YVDGVEVHNA KTKPREEQYN
STYRVVSVLT VLNQDNLNGK EYKCKVSNKA LPAPIEKTIS KAKGQPREPQ VYTLPPSREE MTKNQVSLTC
LVKGFYPSDI AVEWESNGQPENNYKTTTPV LDSDGSFFLY SKLTVDKSRW QQGNVFCSCV MHEALHNHYT
QKSLSLSPGK HHHHHH

Application Note

It is recommended to quick spin followed by reconstitution of RSPO3 in PBS to a concentration no less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

