R-Spondin-3 Human Recombinant

Item Number	rAP-4716
Synonyms	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	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
Uniprot Accesion Number	Q9BXY4
Amino Acid Sequence	QNASRGRRQR RMHPNVSQGC QGGCATCSDY NGCLSCKPRL FFALERIGMK QIGVCLSSCP SGYYGTRYPD INKCTKCKAD CDTCFNKNFC TKCKSGFYLH LGKCLDNCPE GLEANNHTME CVSIVHCEVS EWNPWSPCTK KGKTCGFKRG TETRVREIIQ HPSAKGNLCP PTNETRKCTV DDIEGRMDEP KSCDKTHTCP PCPAPELLGG PSVFLFPPKP KDTLMISRTP EVTCVVVDVS HEDPEVKFNW YVDGVEVHNA KTKPREEQYN STYRVVSVLT VLHQDWLNGK EYKCKVSNKA LPAPIEKTIS KAKGQPREPQ VYTLPPSREE MTKNQVSLTC LVKGFYPSDI AVEWESNGQP
Source	HEK293 cells.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. 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.
Formulation and Purity	RSPO3 was lyophilized from a 0.2µm filtered solution in PBS, pH 7.4. Greater than 95% as determined by SDS PAGE.
Application	
Solubility	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.
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for Research Use Only