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RSPO3 Human

R-Spondin-3 Human Recombinant
RCP1934

Product Overview

Name	RSPO3 Human

Description

R-Spondin-3 Human Recombinant

Accession (Primary)	Q9BXY4

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.

Introduction

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.

Source

HEK293 cells.

Physical Appearance

Sterile Filtered White lyophilized (freeze-dried) powder.

Formulation

RSPO3 was lyophilized from a 0.2 µm filtered solution in 20mM PB, and 150mM NaCl pH-7.2.

Stability

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.

Purity

Greater than 95% as determined by SDS PAGE.

Amino acid sequence

QNASRGRRQR RMHPNVSQGC QGGCATCSDY NGCLSCKPRL FFALERIGMK QIGVCLSSCP SGYYGTRYPD INKCTKCKAD CDTCFNKNFC TKCKSGFYLH LGKCLDNCPE GLEANNHTME CVSIVHCEVS EWNPWSPCTK KGKTCGFKRG TETRVREIIQ HPSAKGNLCP PTNETRKCTV DDIEGRMDEP KSCDKTHTCP PCPAPELLGG

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PSVFLFPPKP KDTLMISRTP EVTCVVVDVS HEDPEVKFNW YVDGVEVHNA KTKPREEQYN STYRVVSVLT VLHQDWLNGK EYKCKVSNKA LPAPIEKTIS KAKGQPREPQ VYTLPPSREE MTKNQVSLTC LVKGFYPSDI AVEWESNGQP ENNYKTTPPV LDSDGSFFLY SKLTVDKSRW QQGNVFSCSV MHEALHNHYT QKSLSLSPGK HHHHHH .

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.

Precautions

RSPO3 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q9BXY4)