

Recombinant Human RSPO3 (C-Fc-6His)

Catalog No : PMK2184

Known As: R-spondin-3; RSPO3; Protein with TSP type-1 repeat; Roof plate-specific spondin-3; Thrombospondin type-1 domain-containing protein 2; PWTSR; THSD2; CRISTIN1

PROPERTIES

Description	Recombinant Human R-spondin-3 is produced by our Mammalian expression system and the target gene encoding Gln22-Val201 is expressed with a human IgG1 Fc, 6His tag at the C-terminus.
Accession	Q9BXY4
Formulation	Lyophilized from a 0.2 μ m filtered solution of PBS, pH 7.4.
Size	10 μ g/50 μ g/500 μ g/1mg
Purity	> 95%
Endotoxin	< 1 EU/ μ g as determined by LAL test.
Predicted Mol Mass	47.9 KDa
Apparent Mol Mass	61 KDa, reducing conditions
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μ g/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Storage	Lyophilized protein should be stored at $\leq -20^{\circ}\text{C}$, stable for one year after receipt. Reconstituted protein solution can be stored at 2-8 $^{\circ}\text{C}$ for 2-7 days. Aliquots of reconstituted samples are stable at $\leq -20^{\circ}\text{C}$ for 3 months.
Background	R-spondin-3 (RSPO3), also known as Protein with TSP type-1 repeat, Roof platespecific 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 betacatenin signaling cascade, leading to TCF-dependent gene activation. Otherwise, RSPO3 may negatively regulate the TGF-beta pathway.

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