

Product datasheet for **TP762643**

RSPO1 (NM_001038633) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human R-spondin homolog (<i>Xenopus laevis</i>) (RSPO1)
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	A DNA sequence encoding the region full length of RSPO1
Tag:	N-GST and C-HIS
Predicted MW:	57.0 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	50 mM Tris-HCl, pH 8.0, 8 M urea
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_001033722
Locus ID:	284654
UniProt ID:	Q2MKA7
RefSeq Size:	2995
Cytogenetics:	1p34.3
RefSeq ORF:	789
Synonyms:	CRISTIN3; RSPO



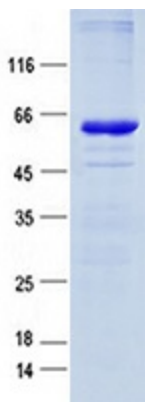
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Summary:

This gene encodes a secreted activator protein with two cysteine-rich, furin-like domains and one thrombospondin type 1 domain. The encoded protein is a ligand for leucine-rich repeat-containing G-protein coupled receptors (LGR proteins) and positively regulates the Wnt signaling pathway. In mice, the protein induces the rapid onset of crypt cell proliferation and increases intestinal epithelial healing, providing a protective effect against chemotherapy-induced adverse effects. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2014]

Protein Families:

Secreted Protein

Product images:

Purified recombinant protein RSPO1 was analyzed by SDS-PAGE gel and Coomassie Blue Staining.