

## Product datasheet for **TP723387**

### RSPO3 (NM\_032784) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human R-spondin 3 homolog ( <i>Xenopus laevis</i> ) (RSPO3).
Species:	Human
Expression Host:	CHO
Expression cDNA Clone or AA Sequence:	MHPNVSQGCQ GGCATCSDYN GCLSCKPRLF FALERIGMKQ IGVCLSSCPS GYYGTRYPDI NKCTKCKADC DTCFNKNFCT KCKSGFYHL GKCLDNCPEG LEANNHTMEC VSIVHCEVSE WNPWSPCTKK GKTCGFKRGT ETRVREIIQH PSAKGNLCP TNETRKCTVQ RKKCQKGERG KKGREKRKK PNKGESKEAI PDSKSLESSK EIPEQRENKQ QQKKRKVQDK QKSVSVSTVH
Tag:	Tag Free
Predicted MW:	26.9 kDa
Concentration:	lot specific
Purity:	>95% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	Lyophilized from a 0.2 μM filtered solution of 20mM phosphate buffer, 100mM NaCl, pH 7.2
Bioactivity:	R-Spondin-3 enhances BMP-2 mediated differentiation of MC3T3-E1 cells.
Endotoxin:	Endotoxin level is < 0.1 ng/μg of protein (< 1 EU/μg)
Storage:	Store at -80°C.
Stability:	Stable for at least 6 months from date of receipt under proper storage and handling conditions.
RefSeq:	<a href="#">NP_116173</a>
Locus ID:	84870
UniProt ID:	<a href="#">Q9BXY4</a>
RefSeq Size:	4583
Cytogenetics:	6q22.33
RefSeq ORF:	816
Synonyms:	CRISTIN1; PWTSR; THSD2



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**Summary:**

This gene belongs to the R-spondin family. The encoded protein plays a role in the regulation of Wnt (wingless-type MMTV integration site family)/beta-catenin and Wnt/planar cell polarity (PCP) signaling pathways, which are involved in development, cell growth and disease pathogenesis. Genome-wide association studies suggest a correlation of this gene with bone mineral density and risk of fracture. This gene may be involved in tumor development. [provided by RefSeq, Jul 2013]

**Protein Families:**

Druggable Genome, Secreted Protein