



RSPO1 blocking peptide (CDBP6030)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

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| Antigen Description | 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] |
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| Conjugate | Unconjugated |
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| Applications | Used as a blocking peptide in immunoblotting applications. |
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| Format | Liquid |
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| Concentration | 200 µg/mL |
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| Size | 0.05 mg |
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| Preservative | None |
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| Storage | -20°C |
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GENE INFORMATION

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| Gene Name | RSPO1 R-spondin 1 [Homo sapiens (human)] |
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| Official Symbol | RSPO1 |
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| Synonyms | RSPO1; R-spondin 1; RSPO; CRISTIN3; R-spondin-1; R-spondin homolog; roof plate-specific spondin-1 |
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| Entrez Gene ID | 284654 |
| mRNA Refseq | NM_001038633 |
| Protein Refseq | NP_001033722 |
| UniProt ID | Q2MKA7 |
| Pathway | Disease; RNF mutants show enhanced WNT signaling and proliferation; Signal Transduction; Signaling by WNT in cancer; Signaling by Wnt; TCF dependent signaling in response to WNT; Wnt signaling network; XAV939 inhibits tankyrase |
| Function | G-protein coupled receptor binding; heparin binding; protein binding; receptor binding |