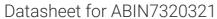
antibodies .- online.com







RSP01 Protein (His tag)



Image



Overview

Quantity:	100 μg
Target:	RSP01
Origin:	Mouse
Source:	CHO Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This RSP01 protein is labelled with His tag.

Product Details

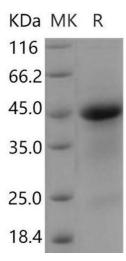
Purpose:	Recombinant Mouse R-Spondin 1/RSP01 Protein (His Tag)(Active)
Sequence:	Met 1-Gln 265
Characteristics:	A DNA sequence encoding the full length of mouse RSP01 (NP_619624.2) (Met 1-Gln 265) was fused with a polyhistidine tag at the C-terminus.
Purity:	> 95 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method.
Biological Activity Comment:	Measured by its ability to induce activation of β -catenin response in a Topflash Luciferase assay using HEK293T human embryonic kidney cells. The ED50 for this effect is typically 50-200 ng/ml in the presence of 50 ng/ml recombinant mouse Wnt3a.

Target Details

Target Details

Target Details	
Alternative Name:	R-Spondin 1/RSP01 (RSP01 Products)
Background:	Background: RSP01 gene is a member of the R-spondin family. It encodes RSP01 which is
	known as a secreted activator protein with two cystein-rich, furin-like domains and one
	thrombospondin type 1 domain. In mice, RSP01 induces the rapid onset of crypt cell
	proliferation and increases intestinal epithelial healing, providing a protective effect against
	chemotherapy-induced adverse effects. This protein is an activator of the beta-catenin
	signaling cascade, leading to TCF-dependent gene activation. RSP01 acts both in the canonical
	Wnt/beta-catenin-dependent pathway and in non-canonical Wnt signaling pathway, probably by
	acting as an inhibitor of ZNRF3, an important regulator of the Wnt signaling pathway. It also
	acts as a ligand for frizzled FZD8 and LRP6.
	Synonym: R-spondin,Rspondin
Molecular Weight:	28.5 kDa
NCBI Accession:	NP_619624
Application Details	
Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from sterile PBS, pH 7.4
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted
	samples are stable at < -20°C for 3 months.



Western Blotting

Image 1.