

# Mouse R-Spondin 1 Recombinant Protein, PeproTech®

Product Details	
Size	100 µg
Species	Mouse
Published Species	Mouse
Expression system	CHO cells
Amino acid sequence	SRGIKGRQR RISAEGSQAC AKGCELCSEV NGCLKCSPKL FILLERNDIR QVGVCLPSCP PGYFDARNPD MNKCIKCKIE HCEACFSHNF CTKCQEGLYL HKGRCYPACP EGSTAANSTM ECGSPAQCEM SEWSPWGPCS KKRKLCGFRK GSEERTRRVL HAPGGDHTTC SDTKETRKCT VRRTPCPEGQ KRRKGGQGRR ENANRHPARK NSKEPGSNSR RHKGQQQPQP GTTGPLTSVG PTWAQ
Molecular weight	27 kDa
Class	Recombinant
Type	Protein
Purity	95% by SDS-PAGE gel and HPLC analyses.
Endotoxin concentration	<1 EU/µg
Activity	R-Spondin-1 enhances BMP-2-mediated differentiation of MC3T3-E1 cells.
Conjugate	Unconjugated
Form	Lyophilized
Purification	purified
Contains	no preservative
Storage conditions	-20°C

Applications	Tested Dilution	Publications
Functional Assay (Functional)	Assay-dependent	-
In vitro Assay (IV)	-	23 Publications
Miscellaneous PubMed (Misc)	-	2 Publications

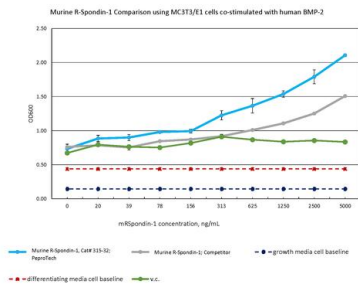
## Product Specific Information

Recombinant Murine R-Spondin-1 is a 27.1 kDa protein consisting of 245 amino acid residues. Due to glycosylation, R-Spondin-1 migrates at an apparent molecular weight of approximately 40.0 kDa by SDS-PAGE analysis under reducing conditions.

This product is shipped at ambient temperature. For storage, handling and reconstitution information, please see the lot-specific Certificate of Analysis

# Product Images For Mouse R-Spondin 1 Recombinant Protein, PeproTech®

## Mouse R-Spondin 1 Protein (315-32-100UG) in Functional Bioassay analysis of Mouse R-Spondin 1 Recombinant Protein, PeproTech® (Product # 315-32-1MG).



## 25 References

### In vitro Assay (23)

#### Life science alliance

#### ***Helicobacter pylori* induces the expression of Lgr5 and stem cell properties in gastric target cells.**

"315-32 was used in Tissue/organ culture to indicate that *H. pylori* has stemness-inducing properties that depend on its ability to activate NF- $\kappa$ B signaling."

Authors: Nascakova Z, He J, Papa G, Francas B, Azizi F, Müller A

Year  
2024

Species  
Mouse

#### Cell death discovery

#### **MicroRNA-674-5p induced by HIF-1 targets XBP-1 in intestinal epithelial cell injury during endotoxemia.**

Authors: Liu Z, Jiang J, Dai W, Wei H, Zhang X, Yang Z, Xiong Y

Year  
2023

Species  
Mouse

[View more IV references on thermofisher.cn](#)

### Miscellaneous PubMed (2)

#### Cell host & microbe

#### **Nutrient Sensing by the Intestinal Epithelium Orchestrates Mucosal Antimicrobial Defense via Translational Control of Hes1.**

"315-32 was used in Cell Culture to uncover a regulatory circuit that couples host nutrient status to epithelial antimicrobial immunity."

Authors: Liang S, Guo XK, Ou J, Huang R, Xue Q, Zhang B, Chung Y, Wu W, Dong C, Yang X, Hu X

Year  
2019

Species  
Mouse

#### Cell host & microbe

#### **IL-22 Upregulates Epithelial Claudin-2 to Drive Diarrhea and Enteric Pathogen Clearance.**

"315-32 was used in Cell Culture to investigate the pathogenic effects of diarrhea."

Authors: Tsai PY, Zhang B, He WQ, Zha JM, Odenwald MA, Singh G, Tamura A, Shen L, Sailer A, Yeruva S, Kuo WT, Fu YX, Tsukita S, Turner JR

Year  
2017

Species  
Mouse

### More applications with references on thermofisher.cn

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