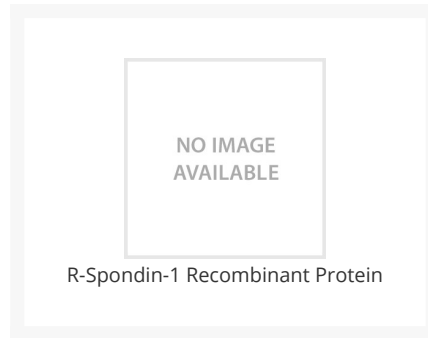




R-Spondin-1 Recombinant Protein

Cat. No.: 40-705



Ψ Specifications

SPECIES:	Mouse
SOURCE SPECIES:	CHO cells
SEQUENCE:	SRGIKGRQR RISAEGSQAC AKGCELCSEV NGCLKCSPKL FILLERNDIR QVGVCLPSCP PGYFDARNPD MNKCIKCKIE HCEACFSHF CTKCQEGLYL HKGRCYPACP EGSTAANSTM ECGSPAQCEM SEWSPWGPCS KKRKLCGFRK GSEERTRRVL HAPGGDHTTC SDTKETRKCT VRRTPCEGQ KRRKGGQGR ENANRHPARK NSKEPGSNSR RHKGQQQPQP GTTGPLTSVG PTWAQ

Ψ Properties

PURITY:	≥ 95% by SDS-PAGE gel and HPLC analyses.
PHYSICAL STATE:	Lyophilized
STORAGE CONDITIONS:	The recombinant protein is stable for at least 2 years from date of receipt at -20 °C. Reconstituted protein is stable for at least 3 months when stored in working aliquots with a carrier protein at -20 °C. As with any protein, exposing the recombinant protein to repeated freeze / thaw cycles is not recommended. When working with proteins care should be taken to keep recombinant protein at a cool and stable temperature.

Ψ Additional Info

OFFICIAL SYMBOL:	Rspo1
ALTERNATE NAMES:	Roof plate-specific Spondin-1, RSPO1
GENE ID:	192199

Background and References

BACKGROUND:	<p>R-Spondin-1 (Rspo-1) belongs to the (Rspo) family of Wnt modulators. Currently, the family consists of four structurally related secreted ligands (Rspo 1-4), all containing the furin-like and thrombospondin structural domains. Rspo-1 is expressed in certain areas of the developing central nervous system, as well as in the adrenal glands, ovary, testis, thyroid, and trachea. Rspo can interact with the Frizzled/LRP6 receptor complex in a manner that stimulates the Wnt/beta-catenin signaling pathway. 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.</p>
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