

Datasheet for ABIN7564349

SPIDR Protein (AA 1-933) (His tag)



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Overview

Quantity:	1 mg
Target:	SPIDR
Protein Characteristics:	AA 1-933
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SPIDR protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Spidr Protein expressed in mammalian cells.
Sequence:	<p>MSGARRPGTS KRKRNRWHIEH PSFREERSQQ LRRGNFKTVE AADSLSKAWL KCGEGFQDTS</p> <p>EILSLASEKT GITEKHLELS PKPKTTETTSK NASELPNIIW SSESDFSDE DKTLPALQRD</p> <p>GRHGPRADRL GDRTISCPED EDIEDELQVI DWEVNSDKED PGGPSECEDD KGTLDISDCD</p> <p>SCASLTSDDR LCEPSEPIST EILEYSSDSE KEEDPEHSLF IDSESPHKYQ ADFKSDARWC</p> <p>LVSQTDSEAN SAEPTLTPQK YTVKFPKTPE YSVTKKKLLR GGLAERLQEL QNRKRSAISL</p> <p>WRHRCVSYQM TPLGRKSGVL TVKILELHEE CSMQVAVCEQ LAGPPITSPG GGLAPRPGAY</p> <p>LKVLFTRETA DHLMGHPQDI IYIFPPWQKL LIPNGSCSII LNTYFCQKAI AKETVREDLY</p> <p>SPDISLSRRN ITLAQTFRIK DITDNSSINQ TTYDSLATPG TGWTHGHEKA EQHLIVAAPL</p> <p>RNSLLDIVES QRAGLWSGVR VQVVVQRVYS LLSRDGARSQ QGHTVGHADA SGAWSCLLVQ</p> <p>DACGMFGEVF LNSTLWKSQRQ LEGKSCSMMSG VKVLQKATRG RTPGLFSLID SLWPPVISLT</p> <p>EPSCGQPSGE TKTYLPPPIF CYIFSAHPTL GQIDAIEDHI SKLYQPPVVR CLKEILQTNE</p> <p>CSTRCSFYAR VIYQKPQLKN LLAQKEIWLL VTDITLQTQD ERDHSLPKTL PVYIAPSCVL</p>

GPVEVEELAL LVSYNLLFRD AFKDNGQIVC IERTVILPQK PLLCVPSASC DLPSPVTLDE
LSALTPVNSI CSVQGTVDV DESTAFSWPV CDRCGNGRLE QKPEDGGTFS CGDCSQLVLS
PLQERHLHVF LDCPTRPEST VKVKLESSI SLLLSAASE DGSYEVESVL GKEMGPLLCF
VQSITTQQSS CVTLEEIEL LSTEGATAAQ PPP **Sequence without tag. The proposed
Purification-Tag is based on experiences with the expression system, a different complexity
of the protein could make another tag necessary. In case you have a special request, please
contact us.**

Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none">• Made to order protein - from design to production - by highly experienced protein experts.• Protein expressed in mammalian cells and purified in one-step affinity chromatography• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.• State-of-the-art algorithm used for plasmid design (Gene synthesis). <p>This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.</p>

Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	SPIDR
Alternative Name:	Spidr (SPIDR Products)
Background:	DNA repair-scaffolding protein (Scaffolding protein involved in DNA repair),FUNCTION: Plays a role in DNA double-strand break (DBS) repair via homologous recombination (HR). Serves as a scaffolding protein that helps to promote the recruitment of DNA-processing enzymes like the helicase BLM and recombinase RAD51 to site of DNA damage, and hence contributes to

Target Details

	maintain genomic integrity (By similarity). {ECO:0000250 UniProtKB:Q14159}.
Molecular Weight:	103.3 kDa
UniProt:	Q8BGX7
Pathways:	Positive Regulation of Response to DNA Damage Stimulus

Application Details

Application Notes:	We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months