

Datasheet for ABIN7555581
SPIDR Protein (AA 1-915) (His tag)



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Overview

Quantity:	1 mg
Target:	SPIDR
Protein Characteristics:	AA 1-915
Origin:	Human
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>MPRGSRARGS KRKRSWNTEC PSFPGERPLQ VRRAGLRTAG AAASLSEAWL RCGEGFQNTS</p> <p>GNPSLTAAEK TITEKHLELC PRPKQETTTTS KSTSGLTDIT WSSSGSDLSD EDKTLSQLQR</p> <p>DELQFIDWEI DSDRAEASDC DEFEDDEGAV EISDCASCAS NQSLTSDEKL SELPKPSSIE</p> <p>ILEYSSDSEK EDDLNVLLI DSESPHKYHV QFASDARQIM ERLIDPRTKS TETILHTPQK</p> <p>PTAKFPRTPE NSAKKKLLRG GLAERLNLQ NRERSAISLW RHQCISYQKT LSGRKSGVLT</p> <p>VKILELHEEC AMQVAMCEQL LGSPATSSSQ SVAPRPGAGL KVLFTKETAG YLRGRPQDTV</p> <p>RIFPPWQKLI IPSGSCPVIL NTYFCEKVVA KEDSEKTCEV YCPDIPLPRR SISLAQMFVI</p> <p>KGLTNNSEI QVVC SGVATT GTAWTHGHKE AKQRIPTSTP LRDSLDDVVE SQGAASWPGA</p> <p>GVRVVVQRVY SLPSRDSTRG QQGASSGHTD PAGTRACLLV QDACGMFGEV HLEFTMSKAR</p> <p>QLEGKSCSLV GMKVLQKVTR GRTAGIFSLI DTLWPPAIPL KTPGRDQPCE EIKTHLPPPA</p> <p>LCYILTAHPN LGQIDIDED PIYKLYQPPV TRCLRDILQM NDLGTRCSFY ATVIYQKPQL</p> <p>KSLLLLEQRE IWLLVTDVTL QTKEERDPRL PKTLLVYVAP LCVLGSEVLE ALAGAAPHSL</p>

Product Details

FFKDALRDQG RIVCAERTVL LLQKPLLSVV SGASSCELPV PVMLDSLDSA TPVNSICSVQ
GTVVGVDEST AFSWPVCDMC GNGRLEQRPE DRGAFSCGDC SRVVTSPVLK RHLQVFLDCR
SRPQCRVKVK LLQRSISLL RFAAGEDGSY EVKSVLGKEV GLLNCFVQSV TAHPTSCIGL
EEIELLSAGG ASAEH **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: **Key Benefits:**

- 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).

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.

If you are not interested in a full length protein, please contact us for individual protein fragments.

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.

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 maintain genomic integrity. {ECO:0000269|PubMed:23509288,

Target Details

	ECO:0000269 PubMed:23754376, ECO:0000269 PubMed:27967308, ECO:0000269 PubMed:34697795}.
Molecular Weight:	100.3 kDa
UniProt:	Q14159
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