

Datasheet for ABIN7546193

SSBP1 Protein (AA 1-211) (His tag)



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Overview

Quantity:	1 mg
Target:	SSBP1
Protein Characteristics:	AA 1-211
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SSBP1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinant NABP2 Protein expressed in mammalian cells.
Sequence:	MTTETFVKDI KPGLKNLNL FIVLETGRVT KTKDGHEVRT CKVADKTGSI NISVWDDVGN LIQPGDIIRL TKGYASVFKG CLTYLTGRGG DLQKIGFCM VYSEVPNFSE PNPEYSTQQA PNKAVQNDSN PSASQPTTGP SAASPAENQ NGNGLSAPPG PGGGPHPPHT PSHPSTRIT RSQPNHTPAG PPGSSNPVS NGKETRRSSK R 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.
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

Product Details

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, Western Blot
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Grade:	custom-made
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Target Details

Target:	SSBP1
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Alternative Name:	NABP2 (SSBP1 Products)
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Background:	SOSS complex subunit B1 (Nucleic acid-binding protein 2) (Oligonucleotide/oligosaccharide-binding fold-containing protein 2B) (Sensor of single-strand DNA complex subunit B1) (Sensor of ssDNA subunit B1) (SOSS-B1) (Single-stranded DNA-binding protein 1) (hSSB1),FUNCTION: Component of the SOSS complex, a multiprotein complex that functions downstream of the MRN complex to promote DNA repair and G2/M checkpoint (PubMed:25249620). In the SOSS complex, acts as a sensor of single-stranded DNA that binds to single-stranded DNA, in particular to polypyrimidines. The SOSS complex associates with DNA lesions and influences diverse endpoints in the cellular DNA damage response including cell-cycle checkpoint activation, recombinational repair and maintenance of genomic stability. Required for efficient homologous recombination-dependent repair of double-strand breaks (DSBs) and ATM-dependent signaling pathways. {ECO:0000269 PubMed:18449195, ECO:0000269 PubMed:19605351, ECO:0000269 PubMed:19683501, ECO:0000269 PubMed:25249620}.
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Molecular Weight:	22.3 kDa
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UniProt:	Q9BQ15
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Pathways:	Chromatin Binding
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Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
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Restrictions:	For Research Use only
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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