

Datasheet for ABIN3135553

SORBS1 Protein (AA 1-1290) (Strep Tag)



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Overview

Quantity:	250 µg
Target:	SORBS1
Protein Characteristics:	AA 1-1290
Origin:	Mouse
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This SORBS1 protein is labelled with Strep Tag.
Application:	ELISA, SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Brand:	AliCE®
Sequence:	<p>MSSECDVGSS KAVVNGLASG NHGPDKDMDP TKICTGKGTV TLRASSSYRG TPSSSPVSPQ</p> <p>ESPKHESKSG LEPEDPSADE WKLSSSADTN GNAQPSPLAA KGYRSVHPSL SADKPQGSPL</p> <p>LNEVSSSHIE TDSQDFPPTS RPSSAYPSTT IVNPTIVLLQ HNRDPASERR AGEQDPVPTP</p> <p>AELTSPGRAS ERRAKDASRR VVRSADQLSD VSTDEVGIPL RNTERSKDWWY KTMFKQIHKL</p> <p>NRDDSDVHS PRYSFSDDTK SPLSVPRSKS EMNYIEGEKV VKRSATLPLP ARSSSLKSSP</p> <p>ERNDEWEPLDK KVDTRKYRAE PKSIEYQPG KSSVLTNEKM SRDISPEEID LKNPWWYKFF</p> <p>SELEFGRPTN LEKDLSCFQA ELEADLEKVE TVNKSPSANS PQSSAVSPTP DITSEPPGYI</p> <p>YSSNFHAVKR ESDGTPGGLA SLENERQIYK SVLEGDIPL QGLSGLKRPS SSASTKVDRK</p> <p>GGNAHMISS SVHSRTFHTS NALGPGCKHK KPLSAKACI SEILPSKFKP RLSAPSALLQ</p> <p>EQKSVLLPSE KAQSCENLCV SLNDSKRGLP LRVGGSIENL LMRSRRDYDS KSSSTMSLQE</p> <p>YGTSSRRPCP LSRKAGLHFS MFYRDMHQIN RAGLSLGSIS SSSVRDLASH FERSSLTLAR</p>

GELGASQEGS EHIPKHTVSS RITAFEQLIQ RSRSMPSLDF SGRLSKSPTP VLSRSGLTSA
RSAESLLEST KLRPREMDGM DSGGVYASPT CSNMADHALS FRSLVPSEPL SICSDDELHC
SNVSNDSDREG SGGSVHGDFP KHRLNKCKGT CPASYTRFTT IRKHEQQSSR QSDWRSDSRG
DKNSLLRNIH LMSPLPFLK KPLQQHPRQP PPSDSESPEA GQKADLPCHD PQDQPHSAGK
PQVPTLSSR HTMARLSHNS EPPLDRPAGL EDCTRAINNG NPVPYSDHGL DRNNNPQSEL
AAAHGDSESP RHFIPADYLE STEEFIRRRH DDKEKLLADQ RRLKREQEEA DIAARRHTGV
IPTHHQFITN ERFGDLLNID DTAKRKSGLE MRPARAKFDF KAQTLKELPL QKGDVVYIYR
QIDQNWYEGE HHGRVGIFPR TYIELLPPEA KAQPRKLAPV QVLEYGEAIA KFNFNQDTQV
EMSFRRGERI TLLRQVDENW YEGRIPTSR QGIFPITYVD VLKRPVVKTP VDYIDLPYSS
SPSRSATVSP QQPQAQQRRV TPDRSQPSLD LCSYQALYSY VPQNDDELEL RDGDIVDVME
KCDDGWFVGT SRRTRQFGTF PGNYVKPLYL

Sequence without tag. The proposed Strep-Tag is based on experience s 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 in Germany - from design to production - by highly experienced protein experts.
- Protein expressed with ALiCE® and purified in one-step affinity chromatography
- These proteins are normally active (enzymatically functional) as our customers have reported (not tested by us and not guaranteed).
- 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.

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.

Expression System:

- ALiCE®, our Almost Living Cell-Free Expression System is based on a lysate obtained from *Nicotiana tabacum* c.v.. This contains all the protein expression machinery needed to produce even the most difficult-to-express proteins, including those that require post-translational modifications.
- During lysate production, the cell wall and other cellular components that are not required for protein production are removed, leaving only the protein production machinery and the mitochondria to drive the reaction. During our lysate completion steps, the additional components needed for protein production (amino acids, cofactors, etc.) are added to produce something that functions like a cell, but without the constraints of a living system -

Product Details

all that's needed is the DNA that codes for the desired protein!

Concentration:

- The concentration of our recombinant proteins is measured using the absorbance at 280nm.
- The protein's absorbance will be measured against its specific reference buffer.
- We use the ExPASy's ProtParam tool to determine the absorption coefficient of each protein.

Purification:	One-step Strep-tag purification of proteins expressed in Almost Living Cell-Free Expression System (ALiCE®).
Purity:	> 70-80 % as determined by SDS PAGE, Western Blot and analytical SEC (HPLC).
Grade:	custom-made

Target Details

Target:	SORBS1
Alternative Name:	Sorbs1 (SORBS1 Products)
Background:	Sorbin and SH3 domain-containing protein 1 (Ponsin) (SH3 domain protein 5) (SH3P12) (c-Cbl-associated protein) (CAP),FUNCTION: Plays a role in tyrosine phosphorylation of CBL by linking CBL to the insulin receptor. Required for insulin-stimulated glucose transport. Involved in formation of actin stress fibers and focal adhesions. {ECO:0000269 PubMed:11001060, ECO:0000269 PubMed:9447983, ECO:0000269 PubMed:9461600}.
Molecular Weight:	143.1 kDa
UniProt:	Q62417
Pathways:	Cell-Cell Junction Organization, Regulation of Carbohydrate Metabolic Process

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.
Comment:	ALiCE®, our Almost Living Cell-Free Expression System is based on a lysate obtained from <i>Nicotiana tabacum</i> c.v.. This contains all the protein expression machinery needed to produce even the most difficult-to-express proteins, including those that require post-translational

Application Details

modifications.

During lysate production, the cell wall and other cellular components that are not required for protein production are removed, leaving only the protein production machinery and the mitochondria to drive the reaction. During our lysate completion steps, the additional components needed for protein production (amino acids, cofactors, etc.) are added to produce something that functions like a cell, but without the constraints of a living system - all that's needed is the DNA that codes for the desired protein!

Restrictions:	For Research Use only
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Handling

Format:	Liquid
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Buffer:	The buffer composition is at the discretion of the manufacturer. Standard Storage Buffer: PBS pH 7.4, 10 % Glycerol Might differ depending on protein.
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Handling Advice:	Avoid repeated freeze-thaw cycles.
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Storage:	-80 °C
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Storage Comment:	Store at -80°C.
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Expiry Date:	12 months
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