Datasheet for ABIN3095604

Sorbs2 Protein (AA 1-1100) (Strep Tag)

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Overview

Quantity:	250 µg
Target:	Sorbs2
Protein Characteristics:	AA 1-1100
Origin:	Human
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This Sorbs2 protein is labelled with Strep Tag.
Application:	ELISA, SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Brand:	AliCE®
Sequence:	MSYYQRPFSP SAYSLPASLN SSIVMQHGTS LDSTDTYPQH AQSLDGTTSS SIPLYRSSEE EKRVTVIKAP HYPGIGPVDE SGIPTAIRTT VDRPKDWYKT MFKQIHMVHK PDDDTDMYNT PYTYNAGLYN PPYSAQSHPA AKTQTYRPLS KSHSDNSPNA FKDASSPVPP PHVPPPVPPL RPRDRSSTEK HDWDPPDRKV DTRKFRSEPR SIFEYEPGKS SILQHERPAS LYQSSIDRSL ERPMSSASMA SDFRKRRKSE PAVGPPRGLG DQSASRTSPG RVDLPGSSTT LTKSFTSSSP SSPSRAKGGD DSKICPSLCS YSGLNGNPSS ELDYCSTYRQ HLDVPRDSPR AISFKNGWQM ARQNAEIWSS TEETVSPKIK SRSCDDLLND DCDSFPDPKV KSESMGSLLC EEDSKESCPM AWGSPYVPEV RSNGRSRIRH RSARNAPGFL KMYKKMHRIN RKDLMNSEVI CSVKSRILQY ESEQQHKDLL RAWSQCSTEE VPRDMVPTRI SEFEKLIQKS KSMPNLGDDM LSPVTLEPPQ NGLCPKRRFS IEYLLEEENQ SGPPARGRRG CQSNALVPIH IEVTSDEQPR AHVEFSDSDQ DGVVSDHSDY IHLEGSSFCS ESDFDHFSFT SSESFYGSSH HHHHHHHHHH RHLISSCKGR

CPASYTRFTT MLKHERARHE NTEEPRRQEM DPGLSKLAFL VSPVPFRRKK NSAPKKQTEK AKCKASVFEA LDSALKDICD QIKAEKKRGS LPDNSILHRL ISELLPDVPE RNSSLRALRR SPLHQPLHPL PPDGAIHCPP YQNDCGRMPR SASFQDVDTA NSSCHHQDRG GALQDRESPR SYSSTLTDMG RSAPRERRGT PEKEKLPAKA VYDFKAQTSK ELSFKKGDTV YILRKIDQNW YEGEHHGRVG IFPISYVEKL TPPEKAQPAR PPPPAQPGEI GEAIAKYNFN ADTNVELSLR KGDRVILLKR VDQNWYEGKI PGTNRQGIFP VSYVEVVKKN TKGAEDYPDP PIPHSYSSDR IHSLSSNKPQ RPVFTHENIQ GGGEPFQALY NYTPRNEDEL ELRESDVIDV MEKCDDGWFV GTSRRTKFFG TFPGNYVKRL

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

Concentration:

Product Details

- 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:	Sorbs2
Alternative Name:	SORBS2 (Sorbs2 Products)
Background:	Sorbin and SH3 domain-containing protein 2 (Arg-binding protein 2) (ArgBP2) (Arg/Abl-interacting protein 2) (Sorbin),FUNCTION: Adapter protein that plays a role in the assembling of signaling complexes, being a link between ABL kinases and actin cytoskeleton. Can form complex with ABL1 and CBL, thus promoting ubiquitination and degradation of ABL1. May play a role in the regulation of pancreatic cell adhesion, possibly by acting on WASF1 phosphorylation, enhancing phosphorylation by ABL1, as well as dephosphorylation by PTPN12 (PubMed:18559503). Isoform 6 increases water and sodium absorption in the intestine and gall-bladder. {ECO:0000269|PubMed:12475393, ECO:0000269|PubMed:18559503, ECO:0000269|PubMed:9211900}.
Molecular Weight:	124.1 kDa
UniProt:	O94875

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 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.

Application Details

	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

Handling

Format:	Liquid
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.**
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months