Datasheet for ABIN3136119

SLC6A15 Protein (AA 1-729) (Strep Tag)

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Overview

Quantity:	250 µg
Target:	SLC6A15
Protein Characteristics:	AA 1-729
Origin:	Mouse
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This SLC6A15 protein is labelled with Strep Tag.
Application:	ELISA, SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Brand:	AliCE®
Sequence:	MPKNSKVVKR DLDDDVIESV KDLLSNEDSV EEVSKKSELI VDVQEEKDTD AEDGSEADDE RPAWNSKLQY ILAQVGFSVG LGNVWRFPYL CQKNGGGAYL LPYLILLLVI GIPLFFLELS VGQRIRRGSI GVWNYISPKL GGIGFASCVV CYFVALYYNV IIGWTLFYFS QSFQQPLPWD QCPLVKNASH TYVEPECEQS SATTYYWYRE ALDITSSISD SGGLNWKMTV CLLVAWVMVC LAMIKGIQSS GKIMYFSSLF PYVVLICFLI RSLLLNGSID GIRHMFTPKL EMMLEPKVWR EAATQVFFAL GLGFGGVIAF SSYNKRDNNC HFDAVLVSFI NFFTSVLATL VVFAVLGFKA NIVNEKCISQ NSEMILKLLK MGNISWDVIP HHINLSAVTV EDYRLVYDII QKVKEEEFAV LHLNACQIED ELNKAVQGTG LAFIAFTEAM THFPASPFWS VMFFLMLINL GLGSMFGTIE GIITPIVDTF KVRKEILTVI CCLLAFCIGL IFVQRSGNYF VTMFDDYSAT LPLLIVVILE NIAVSFVYGI DKFIEDLTDM LGFAPSKYYY YMWKYISPLM LLTLLIASIV NMGLSPPGYN AWIKEKASEE FLSYPMWGMV VCFSLMVLAI LPVPVVFIIR RCNLIDDSSG NLASVTYKRG RVLKEPVNLE

	GDDASLIHGK IPSEMSSPNF GKNIYRKQSG SPTLDTAPNG RYGIGYLMAD MPDMPESDL **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: • 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®).

Product Details

Purity:	> 70-80 % as determined by SDS PAGE, Western Blot and analytical SEC (HPLC).
Grade:	custom-made

Target Details

Target:	SLC6A15
Alternative Name:	Slc6a15 (SLC6A15 Products)
Background:	Sodium-dependent neutral amino acid transporter B(0)AT2 (Sodium- and chloride-dependent neurotransmitter transporter NTT73) (Solute carrier family 6 member 15) (Transporter v7-3),FUNCTION: Functions as a sodium-dependent neutral amino acid transporter. Exhibits preference for methionine and for the branched-chain amino acids, particularly leucine, valine and isoleucine. Can also transport low-affinity substrates such as alanine, phenylalanine, glutamine and pipecolic acid (PubMed:16185194). Mediates the saturable, pH -sensitive and electrogenic cotransport of proline and sodium ions with a stoichiometry of 1:1. May have a role as transporter for neurotransmitter precursors into neurons. In contrast to other members of the neurotransmitter transporter family, does not appear to be chloride-dependent (By similarity). {ECO:0000250|UniProtKB:Q9H2J7, ECO:0000269|PubMed:16185194}.
Molecular Weight:	81.8 kDa
UniProt:	Q8BG16

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. 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!

Application Details

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