Datasheet for ABIN3137373

CHM Protein (AA 1-665) (Strep Tag)

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Overview

Quantity:	250 µg
Target:	CHM
Protein Characteristics:	AA 1-665
Origin:	Mouse
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This CHM protein is labelled with Strep Tag.
Application:	ELISA, SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Brand:	AliCE®
Sequence:	MADNLPSDFD VIVIGTGLPE SIIAAACSRS GQRVLHVDSR SYYGGNWASF SFSGLLSWLK EYQENSDVVT ENSMWQEQIL ENEEAILLSS KDKTIQHVEV FCYASQDLHK DVEEAGALQK NPASVMSAQA TEAAEAAEAA EATEAAEAAE AAEAACLPTA EESLSTRSCE LPAEQSQCMG PESSPQVNDA EVGEKETQSD AKSSTEQSSE ILPKVQDNTE TPKRNVITYS QIIKEGRRFN IDLVSKLLYS RGLLIDLLIK SNVSRYAEFK NITRILAFRE GTVEQVPCSR ADVFNSKQLT MVEKRMLMKF LTFCVEYEDH PDEYKAYEET TFSEYLKTQK LTPNLQYFVL HSIAMTSETT SSTVDGLKAT KKFLQCLGRY GNTPFLFPLY GQGELPQCFC RMCAVFGGIY CLRHSVQCLV VDKESRKCKA IVDQFGQRII SKHFVIEDSY LSENTCSGVQ YRQISRAVLI TDGSVLKPDS DQQVSILTVP AEESGSFAVR VIELCSSTMT CMKGTYLVHL TCMSSKTARE DLERVVQKLF TPYTEIEAEN EQVEKPRILW ALYFNMRDSS DISRDCYNDL PSNVYVCSGP DCNLGNDNAV QQAEIVFQKI CPNEDFCPAP PNPEDIILDG DSSQQEVSES SVIPETNSET PKESTVLGDS EEPSE

Product Details

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

Product Details

Grade:	custom-made

Target Details

Target:	CHM
Alternative Name:	Chm (CHM Products)
Background:	Rab proteins geranylgeranyltransferase component A 1 (Choroideremia protein homolog) (Rab escort protein 1) (REP-1),FUNCTION: Substrate-binding subunit of the Rab geranylgeranyltransferase (GGTase) complex. Binds unprenylated Rab proteins and presents the substrate peptide to the catalytic component B composed of RABGGTA and RABGGTB, and remains bound to it after the geranylgeranyl transfer reaction. The component A is thought to be regenerated by transferring its prenylated Rab back to the donor membrane. Besides, a pre-formed complex consisting of CHM and the Rab GGTase dimer (RGGT or component B) can bind to and prenylate Rab proteins, this alternative pathway is proposed to be the predominant pathway for Rab protein geranylgeranylation (By similarity). {ECO:0000250}.
Molecular Weight:	74.0 kDa
UniProt:	Q9QXG2
Pathways:	Sensory Perception of Sound

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