

Datasheet for ABIN3137576

NUP160 Protein (AA 1-1402) (Strep Tag)



[Go to Product page](#)

Overview

Quantity:	250 µg
Target:	NUP160
Protein Characteristics:	AA 1-1402
Origin:	Mouse
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This NUP160 protein is labelled with Strep Tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB), ELISA

Product Details

Brand:	AliCE®
Sequence:	<p>MAAAGSLERS FVELSGAERE RPRHFREFTV CDIGTASAAF GTVKYSESAG GFYYVESGKL FSITRNRFIH WKTSGDTLEL VEESLDLNL NNAVRLKFQN YNILPGGVHV SETQNHVIL ILTNQTVHRL ILPHPSRMYR SELVTESQMQ SIFTDIGKVD FRDPCNSQLI PSVPGLSPGS TTSAAWLSSD GEALFALPSA SGGIFVLKLP PYDVPGIASV VELKQSSVMQ RLLTGWMPTA IRGDHGPSDR ALSLAVHCVE HDAFIFALCQ DHKLRMWSYK DQMCLMVADM LEYVPVNKDL RLTAGTGHLK RLAYSPSMGL YLGIYMHAPK RGQFCVFQLV STENNRYSLD HISSLFTSQE TLVDFALTST DIWALWHD AE NQTIVKYINF EHNVAGQWNP VFMQPLPEEE IVIRDDQDPR EMYLRSLFTP GHFINAALCK ALQIFCRGTE RNLDLSWNE L KKEITLAVEN ELQGSVTEYE FSQDEFRTLQ QEFWCKFYAC VLQYQEALSH PLALHLNPVT NMVCLLKKGY LSFLVPSSLV DHLYLLPDEH LLTEDETTIS DDADVARDVL CLIKCLRMIG ESVTMDMAVL METSCYNLQS PEKAAEHILE DLITIDVENV MEDICSKLQE IRNPVHAIGL LIREMDYETE VEMEKGFDPA</p>

QPLNVRMNLS QLYGSSTAGY IVCRGVYKIA STRFLICRDL LILQQLTRL GDAVILGAGQ
LFQAQQDLLH RTAPLLLSYY LIKWASQCLA TDVPVDTLES NLQHLSVLEL TDSGALMANK
LVSSPQTIME LFFQEVARQKQ IISHLFSQPK APLSQTGLNW PEMITAVTGY LLQLLWPSNP
GCLFLECLMG NCQYVQLQDY IQLLHPWCQV NVGSCRFMLG RCYLVTGEVQ KALECFCQAA
SEVGKEEFLD RLIRSEGEI VSTPKLQYYD KVLRLLDVVG LPELVIQLAT SAITEAGDDW
KSQATLRTCI FKHHLDLGHN SQAYEALTQI PDSSRQLDCL RQLVVLCER SQLQDLVEFP
YVNLHNEVVG IIESRARAVID LMTHNYYELL YAFHIYRHNY RKAGTVMFEY GMRLGREVRT
LRGLEKQGNC YLAAINCLRL IRPEYAWIVQ PASGAVSDRP GASPKNRHDG ECTAAPTNRQ
IEILELEDLE KEYSLARIRL TLARHDPSVI AIAGSSSAKE MSALLVQAGL FDTAISLCQT FTLPLTPVFE
GLAFKCIKLQ FGGEAAQGEA WSWLATNQLS SVITTKESSA TDEAWRLLST YLERYKVQNN
LYHHCVINKL LSHGVPLPNW LINSYKKVDA AELLRLYLYN DLLEEAVDLV SEYVDAVLGK
GHQYFGIEFP LSATAPMVWL PYSSIDQLLQ ALGENSANSN NIILSQKILD KLEDYQQKVD
KATRDLLYRR DL

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

Product Details

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).
Grade:	custom-made

Target Details

Target:	NUP160
Alternative Name:	Nup160 (NUP160 Products)
Background:	Nuclear pore complex protein Nup160 (160 kDa nucleoporin) (Gene trap locus 1-13 protein) (GTL-13) (Nucleoporin Nup160),FUNCTION: Functions as a component of the nuclear pore complex (NPC) (PubMed:11564755, PubMed:11684705). Involved in poly(A)+ RNA transport (PubMed:11684705). {ECO:0000269 PubMed:11564755, ECO:0000269 PubMed:11684705}.
Molecular Weight:	158.2 kDa
UniProt:	Q9Z0W3
Pathways:	Protein targeting to Nucleus

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

Application Details

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!

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