

Datasheet for ABIN3125888

C1orf103 Protein (AA 1-755) (Strep Tag)



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Overview

Quantity:	250 µg
Target:	C1orf103
Protein Characteristics:	AA 1-755
Origin:	Mouse
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This C1orf103 protein is labelled with Strep Tag.
Application:	ELISA, Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Brand:	AliCE®
Sequence:	<p>MSNSLQSVIL KTAEEKSGSR CISGCMYQVV PTIGSDGKKL LQLLPISKSS GNLIPVVQSP</p> <p>VMSHGLKANT EKPVQVTFQT QISSSSTSAS VQLPVFQPAN TTKCFFTGA I DTTGKDRVTS</p> <p>VRTGNFTPPV SNIQNHGVKI HKLTRQTFTI PPSTQNDSSH FIFNTPSLLP NVNSSILPSG</p> <p>NHLKIPAHAE VKSVLASSLP PLVQQKILGT ATTSTSGTVE ASQIPTVVYV HPVNSVKFVV</p> <p>TKKTQTIYPK PVTFNTLQIP PNVATETQLK GGQHPQAAPV NSIFQEYLQP GIPCIIPVKS</p> <p>SNNVATKVLN TFGVRKNLGD NTIDTPLLNT NSSGRTHSVS EPIKDNALIM FNGKVWLNEK</p> <p>GTCGLPSKID QQNSVSSDIP LKDSSQLVSS SIVTEISREI LNSVLVKS KS FQLKTKLSLN</p> <p>SQLASMANLR AEKNEKVERP SFSVTNPHTM NQSTHCLKQS KTVFINPVFP DGFRTGQNAP</p> <p>RKGNLVQNie KICSSVDAAT VTSQQCVFRD QESQTQYEMA SIVKKEIQEK GNNKKYSQGS</p> <p>HTNIKASCLK NDAEFKKLFG LTKDLRVCLT RIPDHLSSGK SFNSFNLSMK SSSYKDANIV</p> <p>VKKEKKQSF SKKRKAETMK MGNTKKIKIE NADDTVMSIM NGTDVASSQP LSSILPTSDI</p>

SQHNIVTSHS TTREDKRTEA EHCSHEKQEK GTLSSSTSFE QSTFLNKNFM EDIFPVTPE
LEETIRDEKI RRLKQILREK EAALEELRKK MYQKQ

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: C1orf103

Alternative Name: Lrif1 ([C1orf103 Products](#))

Background: Ligand-dependent nuclear receptor-interacting factor 1,FUNCTION: Together with SMCHD1, involved in chromosome X inactivation in females by promoting the compaction of heterochromatin. Also able to repress the ligand-induced transcriptional activity of retinoic acid receptor alpha (RARA), possibly through direct recruitment of histone deacetylases. {ECO:0000250|UniProtKB:Q5T3J3}.

Molecular Weight: 83.0 kDa

UniProt: [Q8CDD9](#)

Pathways: [Nuclear Hormone Receptor Binding](#)

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.

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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