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TRAPPC9 Protein (AA 1-1148) (Strep Tag)



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Overview

Quantity:	1 mg
Target:	TRAPPC9
Protein Characteristics:	AA 1-1148
Origin:	Mouse
Source:	Tobacco (Nicotiana tabacum)
Protein Type:	Recombinant
Purification tag / Conjugate:	This TRAPPC9 protein is labelled with Strep Tag.
Application:	ELISA, Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Sequence:

MSVPDYMQCA EDHQTLLVVV QAVGIVSEEN FFRIYKRICS VSQLSVRDTQ RALFIRYRHH
YPPENNEWGD FQTHRKVVGL ITITDCFSPK DWPQTFEKFH VQKEIYGSTL YDSRLFVFGL
QGDVAEQPRP DVAFYPNYDD CDSVEKRIED FIESLFIVLE SKRLDRATDK SGDKIPLLCV
PFEKKDFVGL DTDSRHYKKR CQGRMRKHVG DLCLQAGMLQ DALVHYHMSV ELLRSVNDFL
WLGAALEGLC SASVIYHYPG GTGGKTGARR LQGSSLPSEA ANRHRPGAQE VLIDPGALTT
NGINPDTSTE IGRAKNCLSP EDIIDKYKEA ISYYSKYKNA GVIELEACVK AVRVLAIQKR
GMEASEFLQN AVYINLRQLS EEEKIQRYSI LSELYELIGF HRKSAFFKRV AAMQCVAPSI
AEPGWRACYK LLLETLPGYS LSLDPKDFSK GTHRGWAAVQ MRLLHELVYA SRRMGNPALS
VRHLSFLLQT MLDFLSDQEK KDVTQSLENY TAKCPGTMEP ITLPDGLTLP PVPFTKLPIV
RCVKLLSLPT SLRPHKVKSL LGQSMSTKSP FIYSPIIAHN RGEERNKKID FQWVQGDVCE
VQLMVYNPMP FELRVENMGL LTSGVEFESL PAALSLPAES GLYPVTLVGV PQTTGMITVN
GYHTTVFGVF SDCLLDNLPG LKTGGSTVEV IPALPRLQIS TSLPRSARSL QPSAGDEIAT

NVSVQLYNGE TQQLAVTLEN IGLEPLEQLE VTSKLLTTKE KLYGDFLSWK LEETLAQFPL
QPGKVATFTI NIKAKLDFSC QENLLQDLSD DGISVSGFPL SSPFRQVVRP RVESRPTNPS
EGSKTGDLGH VKTLEAVLNF KYSGGPGHVE GYYRNLSLGL HVEVEPSVFF TRVSTLPATS
TRQCHLLLDV FNSTEHELTV CARNNSELVL HASECQRMAI QVDKFNFESV PESPGEKGHF
ANLKQLEEER QEARGLEISS KLDIRWRIPS LKRSGEASVE GLLNQLILEH LQLAPLQWDV
LVDGQPCDCE VAAACQVGDP VRLEVRLTNR SPRSVGPFAL TVVPFQDHQN GVHNYDLHDV
ISFVGSSTFY LDTVQPSGQS TCLGALLFLY TGDFFLNIRF HEDCKSKELP PSWVCLPSVH
VRALGAQA

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 by multi-step, protein-specific process to ensure correct folding and modification.
- 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 will ensure that you receive a correctly folded 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 posttranslational 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 in several dilutions and is measured against its specific reference buffer.
- · We use the Expasy's protparam tool to determine the absorption coefficient of each protein.

Purification:

Two step purification of proteins expressed in Almost Living Cell-Free Expression System (ALiCE®):

- 1. In a first purification step, the protein is purified from the cleared cell lysate using StrepTag capture material. Eluate fractions are analyzed by SDS-PAGE.
- Protein containing fractions of the best purification are subjected to second purification step through size exclusion chromatography. Eluate fractions are analyzed by SDS-PAGE and Western blot.

Purity:

≥ 80 % as determined by SDS PAGE, Size Exclusion Chromatography and Western Blot.

Endotoxin Level:

Low Endotoxin less than 1 EU/mg (< 0.1 ng/mg)

Target Details

Target:	TRAPPC9
Alternative Name:	Trappc9 (TRAPPC9 Products)
Background:	Trafficking protein particle complex subunit 9 (NIK- and IKBKB-binding protein),FUNCTION:
	Functions as an activator of NF-kappa-B through increased phosphorylation of the IKK
	complex. May function in neuronal cells differentiation. May play a role in vesicular transport
	from endoplasmic reticulum to Golgi. {ECO:0000269 PubMed:15951441}.
Molecular Weight:	128.2 kDa
UniProt:	Q3U0M1

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

Application Details

modifications.

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Restrictions:

For Research Use only

Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer. If you have a special request, please contact us.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	Unlimited (if stored properly)