

Datasheet for ABIN3131391
DUSP8 Protein (AA 1-663) (Strep Tag)



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Overview

Quantity:	1 mg
Target:	DUSP8
Protein Characteristics:	AA 1-663
Origin:	Mouse
Source:	Tobacco (<i>Nicotiana tabacum</i>)
Protein Type:	Recombinant
Purification tag / Conjugate:	This DUSP8 protein is labelled with Strep Tag.
Application:	ELISA, Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Sequence:	<p>MAGDRLPRKV MDAKKLASLL RGGPGGPLVI DSRSFVEYNS CHVLSSVNIC CSKLVKRRLLQ QGKVITIAELI QPATRSQVDA TEPQDVVVYD QSTRDASVLA ADSFLSILLS KLDGCFDSVA ILTGGFATFS SCFPGLCEGK PATLPSMSLS QPCLPVPSVG LTRILPHLYL GSQKDVLNKD LMTQNGISYV LNASNSCPKP DFICESRFMR IPINDNYCEK LLPWLDKSIE FIDKAKLSSC QVIVHCLAGI SRSATIAIAY IMKTMGMSSD DAYRFVKDRR PSISPNFNFL GQLLEYERSL KLLAALQTDG PHLGTPEPLM GPAAGIPLPR LPPSTSESAA TGSEAATAAR EGSPSAGGDA PIPSTAPATS ALQQGLRGLH LSSDRLQDTN RLKRSFSLDI KSAYAPSRRP DFPGPPDPGE APKLCKLDSP SGGTLGLPSP SPDSPDSVPE CRPRPRRRRR PASSPARSPA HGLGLNFGDT ARQTPRHGLS ALSAPGLPGP GQPAGPGGWV PPLDSPGTPS PDGPWCFSPE GAQGP GAVFS AFGRVSAGAP GPGNSSSSGG GGGGGGGGGG GGGGGGSSSS NSSSSSSSSS SSSSSSSSSS DLRRRDVRTG WPEEPAADAQ FKRRSCQMEF EEGMVEGRAR GEELAALGKQ TSFSGSVEVI EVS</p> <p>Sequence without tag. The proposed Strep-Tag is based on experience s with the expression</p>
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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:

> 80 % as determined by SDS PAGE, Western Blot and analytical SEC (HPLC).

Target Details

Target:	DUSP8
Alternative Name:	Dusp8 (DUSP8 Products)
Background:	Dual specificity protein phosphatase 8 (EC 3.1.3.16) (EC 3.1.3.48) (Neuronal tyrosine threonine phosphatase 1),FUNCTION: Has phosphatase activity with synthetic phosphatase substrates and negatively regulates mitogen-activated protein kinase activity, presumably by catalysing their dephosphorylation (PubMed:7561881). Expected to display protein phosphatase activity toward phosphotyrosine, phosphoserine and phosphothreonine residues (Probable). {ECO:0000269 PubMed:7561881, ECO:0000305}.
Molecular Weight:	68.8 kDa
UniProt:	O09112

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:	<p>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 even the most difficult-to-express proteins, including those that require post-translational modifications.</p> <p>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!</p>
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.

Handling

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months