

Datasheet for ABIN3092146

## DLGAP3 Protein (AA 1-979) (Strep Tag)



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### Overview

Quantity:	250 µg
Target:	DLGAP3
Protein Characteristics:	AA 1-979
Origin:	Human
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This DLGAP3 protein is labelled with Strep Tag.
Application:	ELISA, SDS-PAGE (SDS), Western Blotting (WB)

### Product Details

Brand:	AliCE®
Sequence:	<p>MRGYHGDRGS HPRPARFADQ QHMDVGPAAR APYLLGSREA FSTEPRFCAP RAGLGHISPE</p> <p>GPLSLSEGPS VGPEGGPAGA GVGGGSSTFP RMYPGQGPF D TCEDCVGHPQ GKGAPRLPPT</p> <p>LLDQFEKQLP VQQDGFHTLP YQRGPAGAGP GPAPGTGTAP EPRSESPSRI RHLVHSVQKL</p> <p>FAKSHSLEAP GKRDYNGPKA EGRGGSGGDS YPGPGSGGPH TSHHHHHHHHH HHHHQSRHGK</p> <p>RSKSKDRKGD GRHQAKSTGW WSSDDNLDSD SGFLAGGRPP GEPGGPFCLE GPDGSYRDL S</p> <p>FKGRSGGSEG RCLACTGMSM SLDGQSVKRS AWHTMMVSQG RDGYPGAGPG KGLLGPETKA</p> <p>KARTYHYLQV PQDDWGGYPT GKGDEIPCR RMRSGSYIKA MGDEESGDSD GSPKTSPKAV</p> <p>ARRFTTRRSS SVDQARINCC VPPRIHPRSS IPGYSRSLTT GQLSDELNQQ LEAVCGSVFG</p> <p>ELESQAVDAL DLPGCFRMR S HYLRAIQAG CSQDDDCLPL LATPAAVSGR PGSSFNFRKA</p> <p>PPPIPPGSQA PPRISITAQS STDSAHEST AAEGPARRCS SADGLDGPAM GARTLELAPV</p> <p>PPRASPKPPT LIKTIPGRE ELRSLARQRK WRPSIGVQVE TISDSDTENR SRREFHSIGV</p>

QVEEDKRRAR FKRSNSVTAG VQADLELEGL AGLATVATED KALQFGRSFQ RHASEPQPGP  
RAPTYSVFRT VHTQGQWAYR EGYPLPYEPP ATDGSPGPAP APTPGPGAGR RDSWIERGSR  
SLPDSEGRASP CPRDGEWFIK MLRAEVEKLE HWCQQMERE EDYELPEEIL EKIRSAVGST  
QLLSQKVQQ FFRLCQQSMD PTAFPVPTFQ DLAGFWDLLQ LSIEDVTLKF LELQQLKANS  
WKLEPKKEK KVPPPIPKP LRGRGVPVKE RSLDSVDRQR QEARKRLAA KRAASFRHSS  
ATESADSIEI YIPEAQTRL

**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.**

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### 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.

## Product Details

- 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®).
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Purity:	> 70-80 % as determined by SDS PAGE, Western Blot and analytical SEC (HPLC).
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Grade:	custom-made
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## Target Details

Target:	DLGAP3
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Alternative Name:	DLGAP3 ( <a href="#">DLGAP3 Products</a> )
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Background:	Disks large-associated protein 3 (DAP-3) (PSD-95/SAP90-binding protein 3) (SAP90/PSD-95-associated protein 3) (SAPAP3),FUNCTION: May play a role in the molecular organization of synapses and neuronal cell signaling. Could be an adapter protein linking ion channel to the subsynaptic cytoskeleton. May induce enrichment of PSD-95/SAP90 at the plasma membrane.
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Molecular Weight:	106.0 kDa
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UniProt:	<a href="#">O95886</a>
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## 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.
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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>
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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 <b>Might differ depending on protein.</b>
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months