

Datasheet for ABIN7547796

## GADL1 Protein (AA 1-521) (His tag)



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### Overview

Quantity:	1 mg
Target:	GADL1
Protein Characteristics:	AA 1-521
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This GADL1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

### Product Details

Purpose:	Custom-made recombinat GADL1 Protein expressed in mammalian cells.
Sequence:	<p> MSSSDSRQCP VDGIDIDQQEM IPSKKNVAVLV DGVVLNGPTT DAKAGEKFVE EACRLIMEEV  VLKATDVNEK VCEWRPPEQL KQLLDLEMRD SGEPHKLLE LCRDVIHYSV KTNHPRFFNQ  LYAGLDYYSL VARFMTEALN PSVYTYEVSP VFLLVEEAVL KKMIEFIGWK EGDGIFNPGG  SVSNMYAMNL ARYKYCPDIK EKGLSGSPRL ILFTSAECHY SMKKAASFLG IGTENVCFVE  TDGRGKMIPE ELEKQVWQAR KEGAAPFLVC ATSGTTVLGA FDPLDEIADI CERHSLWLHV  DASWGGSSALM SRKHRKLLHG IHRADSVAWN PHKMLMAGIQ CCALLVKDKS DLLKKCYSAK  ASYLFQQDKF YDVSYDTGDK SIQCSRRPDA FKFWMWTKAL GTLGLEERVN RALALSRYLV  DEIKKREGFK LLMEPEYANI CFWYIPPSLR EMEEGPEFWA KLNLVAPAIK ERMKKGSLM  LGYQPHRGKV NFFRQVVISP QVSREDMDFL LDEIDLLGKD M </p> <p><b>Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special</b></p>

## Product Details

**request, please contact us.**

### Characteristics:

#### Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- 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.

If you are not interested in a full length protein, please contact us for individual protein fragments.

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.

### Purity:

> 90 % as determined by Bis-Tris Page, Western Blot

### Grade:

custom-made

## Target Details

### Target:

GADL1

### Alternative Name:

GADL1 ([GADL1 Products](#))

### Background:

Acidic amino acid decarboxylase GADL1 (Aspartate 1-decarboxylase) (ADC) (HuADC) (EC 4.1.1.11) (Cysteine sulfinic acid decarboxylase) (CSADC) (HuCSADC) (EC 4.1.1.29) (Glutamate decarboxylase-like protein 1),FUNCTION: May catalyze the decarboxylation of L-aspartate, 3-sulfino-L-alanine (cysteine sulfinic acid), and L-cysteate to beta-alanine, hypotaurine and taurine, respectively. Does not exhibit any decarboxylation activity toward glutamate. {ECO:0000269|PubMed:23038267}.

### Molecular Weight:

59.2 kDa

### UniProt:

[Q6ZQY3](#)

## Application Details

### Application Notes:

In addition to the applications listed above we expect the protein to work for functional studies

Application Details

as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months