

Datasheet for ABIN7563310
GAD65 Protein (AA 1-585) (His tag)



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Overview

Quantity:	1 mg
Target:	GAD65 (GAD2)
Protein Characteristics:	AA 1-585
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This GAD65 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Gad2 Protein expressed in mammalian cells.
Sequence:	MASPGSGFWS FGSEDGSADP ENPGTARAWC QVAQKFTGGI GNKLCALLYG DSGKPAEGGG SVTSRAATGK VACTCDQKPC NCPKGDVNYA FLHATDLLPA CDGERPTLAF LQDVMNILLQ YVVKSFDRST KVIDFHYPNE LLQEYNWELA DQPQNLEEIL THCQTTLKYA IKTGHPRYFN QLSTGLDMVG LAADWLTSTA NTNMFYEIA PVFVLLEYVT LKKMREIIGW PGGSGDGIFS PGGAISNMYA MLIARYKMFP EVKEKGMAAV PRLIAFTSEH SHFSLKKGAA ALGIGTDSVI LIKCDERGMK IPSDLERRIL EVKQKGFVFP LVSATAGTTV YGAFDPLLAV ADICKKYKIW MHVDAAWGGG LLMSRKHKWK LSGVERANSV TWNPHKMMGV PLQCSALLVR EEGLMQSCNQ MHASYLFQQD KHYDLSYDTG DKALQCGRHV DVFKLWLMWR AKGTTGFEAH IDKCLELAEY LYTIKNREG YEMVFDGKPK HTNVCFWFVP PSLRTLLEDNE ERMSRLSKVA PVIKARMMEY GTTMVSYQPL GDKVNFFRMV ISNPAATHQD IDFLIEEIER LGQDL 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

Product Details

request, please contact us.

Specificity: If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade: custom-made

Target Details

Target: GAD65 (GAD2)

Alternative Name: Gad2 ([GAD2 Products](#))

Background: Glutamate decarboxylase 2 (EC 4.1.1.15) (65 kDa glutamic acid decarboxylase) (GAD-65) (Glutamate decarboxylase 65 kDa isoform),FUNCTION: Catalyzes the production of GABA.

Molecular Weight: 65.2 kDa

UniProt: [P48320](#)

Application Details

Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Application Details

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