

Datasheet for ABIN7556644
GNAS Protein (AA 1-394) (His tag)



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Overview

Quantity:	1 mg
Target:	GNAS
Protein Characteristics:	AA 1-394
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This GNAS protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Gnas Protein expressed in mammalien cells.
Sequence:	<p>MGCLGNSKTE DQRNEEKAQR EANKKIEKQL QKDKQVYRAT HRLLLLGAGE SGKSTIVKQM RILHVNGFNG EGGEEDPQAA RNSDGEKAT KVQDIKNNLK EAETIVAAM SNLVPPVELA NPENQFRVDY ILSVMNVPNF DFPPEFYEHA KALWEDEGVR ACYERSNEYQ LIDCAQYFLD KIDVIKQADY VPSDQDLLRC RVLTSIGIFET KFQVDKVNFB MFDVGGQRDE RRKWIQCFND VTAIIFVVAS SSYNMVIREN NQTNRLQEAL NLFKSIWNNR WLRTISVILF LNKQDLLAEK VLGKSKIED YFPEFARYTT PEDATPEPGE DPRVTRAKYF IRDEFRLIST ASGDGRHYCY PHFTCAVDTE NRRVFNDRC DIIQRMHLRQ YELL 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 request, please contact us.</p>
Characteristics:	Key Benefits:

Product Details

- 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
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Grade:	custom-made
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Target Details

Target:	GNAS
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Alternative Name:	Gnas (GNAS Products)
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Background:	Guanine nucleotide-binding protein G(s) subunit alpha isoforms short (Adenylate cyclase-stimulating G alpha protein),FUNCTION: Guanine nucleotide-binding proteins (G proteins) function as transducers in numerous signaling pathways controlled by G protein-coupled receptors (GPCRs). Signaling involves the activation of adenylyl cyclases, resulting in increased levels of the signaling molecule cAMP. GNAS functions downstream of several GPCRs, including beta-adrenergic receptors. Stimulates the Ras signaling pathway via RAPGEF2. {ECO:0000250 UniProtKB:P63092}.
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Molecular Weight:	45.7 kDa
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UniProt:	P63094
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Pathways:	Thyroid Hormone Synthesis , cAMP Metabolic Process , Myometrial Relaxation and Contraction , Embryonic Body Morphogenesis
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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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Restrictions:	For Research Use only
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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