

Datasheet for ABIN7548185
GRK4 Protein (AA 1-578) (His tag)



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Overview

Quantity:	1 mg
Target:	GRK4
Protein Characteristics:	AA 1-578
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This GRK4 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat GRK4 Protein expressed in mammalian cells.
Sequence:	<p>MELNIVANS LLLKARQGGY GKKSGRSKKW KEILTLPPVS QCSELRHSIE KDYSSLCDKQ PIGRRLLFRQF CDTKPTLKRH IEFLDAVAEY EVADEDRSD CGLSILDRFF NDKLAAPLPE IPPDVVTECR LGLKEENPSK KAFEECTRVA HNYLRGEPFE EYQESSYFSQ FLQWKWLERQ PVTKNTRFHY RVLGKGGFGE VCACQVRATG KMYACKKLQK KRIKKRKGEA MALNEKRILE KVQSRFVSL AYAYETKDAL CLVLTIMNGG DLKFHIYNLG NPGFDEQRAV FYAAELCCGL EDLQRERIVY RDLKPENILL DDRGHIRISD LGLATEIPEG QRVGRVGTV GYMAPEVVNN EKYTFSPDWW GLGCLYEMI QGHSPFKKYK EKVKWEEVDQ RIKNDTEEYS EKFSEDAISI CRMILLTKNPS KRLGCRGEGA AGVKQHPVFK DINFRLEAN MLEPPFCPDP HAVYCKDVLD IEQFSVVKGI YLDTADEDYF ARFATGCVSI PWQNEMIESG CFKDINKSES EEALPLDLDK NIHTPVS RPN RGFYRLFRR GGCLTMVPSE KEVEPKQC Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity</p>

of the protein could make another tag necessary. In case you have a special 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:

GRK4

Alternative Name:

GRK4 ([GRK4 Products](#))

Background:

G protein-coupled receptor kinase 4 (EC 2.7.11.16) (G protein-coupled receptor kinase GRK4) (IT11),FUNCTION: Specifically phosphorylates the activated forms of G protein-coupled receptors. GRK4-alpha can phosphorylate rhodopsin and its activity is inhibited by calmodulin, the other three isoforms do not phosphorylate rhodopsin and do not interact with calmodulin. GRK4-alpha and GRK4-gamma phosphorylate DRD3. Phosphorylates ADRB2. {ECO:0000269|PubMed:19520868, ECO:0000269|PubMed:8626439}.

Molecular Weight:

66.6 kDa

UniProt:

[P32298](#)

Pathways:

[Myometrial Relaxation and Contraction, Regulation of G-Protein Coupled Receptor Protein Signaling](#)

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.

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
