

Datasheet for ABIN7562528
GRK6 Protein (AA 1-576) (His tag)



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Overview

Quantity:	1 mg
Target:	GRK6
Protein Characteristics:	AA 1-576
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This GRK6 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Grk6 Protein expressed in mammalien cells.
Sequence:	<p>MELLENIVANT VLLKAREGGG GNRKGKSKKW RQMLQFPHIS QCEELRLSLE RDYHSLCERQ PIGRLLFREF CATRPELTRC TAFLDGVSEY EVTPDEKRKA CGRRMQNFL SHTGPDLIPE VPRQLVSNCA QRLEQGPKD LQELTRLTH EYLSTAPFAD YLDSIYFNRF LQWKWLERQP VTKNTFRQYR VLGKGGFGEV CACQVRATGK MYACKKLEKK RIKKRKGEAM ALNEKQILEK VNSRFVVS LA YAYETKDALC LVL TLMNGGD LKFHIYHMGQ AGFPEARAVF YAAEICCGLE DLHRERIVYR DLKPENILLD DHGHIRISDL GLAVHVPEGQ TIKGRVGTVG YMAPEVVRNE RYTFSPDWWA LGCLLYEMIA GQSPFQQRKK KIKREEVERL VKEVAEEYTD RFSSQARSLC SQLLSKDPAE RLGCRGGGAR EVKEHPLFKK LNFKRLGAGM LEPPFKPDPQ AIYCKDVLDI EQFSTVKGVD LEPTDQDFYQ KFATGSVSIP WQNEMVETEC FQELNVFGLD GSVPPDLDWK GQPTAPPKKG LLQRLFSRQD CCGNCS DSEE ELPTRL 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:

GRK6

Alternative Name:

Grk6 ([GRK6 Products](#))

Background:

G protein-coupled receptor kinase 6 (EC 2.7.11.16) (G protein-coupled receptor kinase GRK6),FUNCTION: Specifically phosphorylates the activated forms of G protein-coupled receptors. Such receptor phosphorylation initiates beta-arrestin-mediated receptor desensitization, internalization, and signaling events leading to their desensitization. Seems to be involved in the desensitization of D2-like dopamine receptors in striatum and chemokine receptor CXCR4 which is critical for CXCL12-induced cell chemotaxis (By similarity). Phosphorylates rhodopsin (RHO) (in vitro) and a non G-protein-coupled receptor, LRP6 during Wnt signaling (in vitro) (By similarity). {ECO:0000250, ECO:0000269|PubMed:12032308, ECO:0000269|PubMed:12718862, ECO:0000269|PubMed:14634128}.

Molecular Weight:

66.0 kDa

Target Details

UniProt: [O70293](#)

Pathways: [Myometrial Relaxation and Contraction, Regulation of G-Protein Coupled Receptor Protein Signaling, CXCR4-mediated Signaling Events, Negative Regulation of Transporter Activity](#)

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
