

Datasheet for ABIN7557088
SGK196 Protein (AA 1-349) (His tag)



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Overview

Quantity:	1 mg
Target:	SGK196
Protein Characteristics:	AA 1-349
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SGK196 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Pomk Protein expressed in mammalian cells.
Sequence:	MGQQHGTRNG LTHRELPRGV GLLLAMALMN VALYLCLDQL FISPGRSTAD SRRCPPGYFR MGRMRNCSRW LSCEELRTEV RQLKRVGEGA VKRVFLSEWK EHKVALSRLT RLEMKEDFLH GLQMLKSLQS EHVVTLVGYC EEDGTILTEY HPLGSLSNLE ETLNLSKYQD VNTWQHRLQL AMEYVSIINY LHHSPGTRV MCDSNDLPKT LSQYLLTSNF SIVANDLDAL PLVDHDSGVL IKCGHRELHG DFVAPEQLWP YGEDTPFQDD LMPSYNEKVD IWKIPDVSSF LLGHVEGSDM VRFHLFDIHK ACKSQIPAER PTAQNVLDAY QRVFHSRLRDT VMSQTKEML 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.
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:

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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
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Grade:	custom-made
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Target Details

Target:	SGK196
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Alternative Name:	Pomk (SGK196 Products)
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Background:	Protein O-mannose kinase (POMK) (EC 2.7.1.183) (Protein kinase-like protein SgK196) (Sugen kinase 196),FUNCTION: Protein O-mannose kinase that specifically mediates phosphorylation at the 6-position of an O-mannose of the trisaccharide (N-acetylgalactosamine (GalNAc)-beta-1,3-N-acetylglucosamine (GlcNAc)-beta-1,4-mannose) to generate phosphorylated O-mannosyl trisaccharide (N-acetylgalactosamine-beta-1,3-N-acetylglucosamine-beta-1,4-(phosphate-6-)mannose). Phosphorylated O-mannosyl trisaccharide is a carbohydrate structure present in alpha-dystroglycan (DAG1), which is required for binding laminin G-like domain-containing extracellular proteins with high affinity. Only shows kinase activity when the GalNAc-beta-3-GlcNAc-beta-terminus is linked to the 4-position of O-mannose, suggesting that this disaccharide serves as the substrate recognition motif (By similarity). {ECO:0000250}.
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Molecular Weight:	40.0 kDa
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UniProt:	Q3TUA9
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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.

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
