Datasheet for ABIN7558577

GSKIP Protein (AA 1-139) (His tag)

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Overview

Quantity:	1 mg
Target:	GSKIP
Protein Characteristics:	AA 1-139
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This GSKIP protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Gskip Protein expressed in mammalien cells.
Sequence:	METDYNPVEL SSMSGFEEGS ELNGFEGADM KDMQLEAEAV VNDVLFAVNH MFVSKSMPCA DDVAYINVET KERNRYCLEL TEAGLRVVGY AFDQVEDHLQ TPYHETVYSL LDTLSPAYRE AFGNALLQRL EALKRDGQS **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.**
Characteristics:	Key Benefits: • Made to order protein - from design to production - by highly experienced protein experts. • Protein expressed in mammalien 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).

Product Details

	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:	GSKIP
Alternative Name:	Gskip (GSKIP Products)
Background:	GSK3B-interacting protein (GSKIP),FUNCTION: A-kinase anchoring protein for GSK3B and PKA that regulates or facilitates their kinase activity towards their targets. The ternary complex enhances Wnt-induced signaling by facilitating the GSK3B- and PKA-induced phosphorylation of beta-catenin leading to beta-catenin degradation and stabilization respectively. Upon cAMP activation, the ternary complex contributes to neuroprotection against oxidative stress-induced apoptosis by facilitating the PKA-induced phosphorylation of DML1 and PKA-induced inactivation of GSK3B. During neurite outgrowth promotes neuron proliferation, while increases beta-catenin-induced transcriptional activity through GSK3B kinase activity inhibition, reduces N-cadherin level to promote cell cycle progression (By similarity). May play a role in cleft palate formation and is required for postnatal life through modulation of the activity of GSK3B during development (PubMed:26582204). {ECO:0000250|UniProtKB:Q9P0R6, ECO:0000269|PubMed:26582204}.
Molecular Weight:	15.6 kDa
UniProt:	Q8BGR8

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

Application Details

	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