Datasheet for ABIN7561679

CABP5 Protein (AA 1-173) (His tag)

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Overview

Quantity:	1 mg
Target:	CABP5
Protein Characteristics:	AA 1-173
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CABP5 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat Cabp5 Protein expressed in mammalien cells.
Sequence:	MQFPMGPACI FLRKGIAEKQ RERPLGQDEL DELREAFLEF DKDQDGFISY KDLGNLMRTM GYMPTEMELT ELGQQIRMNL GGRVDFEDFV ELMTPKLLAE TAGMIGVQEM RDAFKEFDAN GDGEITLAEL QQAMQRLLGE KLTPREIAEV VQEADINGDG TVDFEEFVKM MSR **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.

Product Details

	• 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:	CABP5
Alternative Name:	Cabp5 (CABP5 Products)
Background:	Calcium-binding protein 5 (CaBP5),FUNCTION: Inhibits calcium-dependent inactivation of L-type calcium channel and shifts voltage dependence of activation to more depolarized membrane potentials (PubMed:18586882). Involved in the transmission of light signals (PubMed:18586882). May positively regulate neurotransmitter vesicle endocytosis and exocytosis in a salt-dependent manner (PubMed:22039235). May play a role in the extension and network organization of neurites (PubMed:22039235). {ECO:0000269|PubMed:18586882, ECO:0000269|PubMed:22039235}.
Molecular Weight:	19.7 kDa
UniProt:	Q9JLK3

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