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Datasheet for ABIN7562995

CAPG Protein (AA 1-352) (His tag)

Overview

Quantity:	1 mg
Target:	CAPG
Protein Characteristics:	AA 1-352
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CAPG protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat Capg Protein expressed in mammalien cells.
Sequence:	MYTPIPQSGS PFPASVQDPG LHIWRVEKLNK PVPIARESHG IFFSGDSYLV LHNGPEEASH LHLWIGQQSS RDEQGACAVL AVHLNLTLLGE RPVQHREVQG NESDLFMSYF PRGLKYYREG GVESAFHKTT SGARGAAIRK LYQVKGKKNK RATERPLSWD SFNTGDCFIL DLGQNIFAWC GGKSNILERN KARDLALAIR DSERQGKAQV EIITDGEEPA EMIQVLGPKP ALKEGNPEED ITADQTRPNA QAAALYKVSD ATGQMNLTKV ADSSPFASEL LIPDDCFVLD NGLCAQIYIW KGRKANERKER QAALQVADGF ISRMRYSPNT QVEILPQGRE SPIFKQFFKN WK 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:

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, Western Blot
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Grade:	custom-made
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Target Details

Target:	CAPG
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Alternative Name:	Capg (CAPG Products)
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Background:	Macrophage-capping protein (Actin regulatory protein CAP-G) (Actin-capping protein GCAP39) (Myc basic motif homolog 1),FUNCTION: Calcium-sensitive protein which reversibly blocks the barbed ends of actin filaments but does not sever preformed actin filaments. May play an important role in macrophage function. May play a role in regulating cytoplasmic and/or nuclear structures through potential interactions with actin. May bind DNA. Uncapping occurs either when Ca(2+) falls or when the concentration of polyphosphoinositide rises, both at low and high Ca(2+).
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Molecular Weight:	39.2 kDa
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UniProt:	P24452
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Pathways:	Regulation of Actin Filament Polymerization
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Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies
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Application Details

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
