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Datasheet for ABIN7562194
CCBP2 Protein (AA 1-378) (His tag)

Overview

Quantity:	1 mg
Target:	CCBP2
Protein Characteristics:	AA 1-378
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CCBP2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Ackr2 Protein expressed in mammalian cells.
Sequence:	MPTVASPLPL TTVGSENSSS IYDYDYLDMM TILVCRKDEV LSFGRVFLPV VYSLIFVLGL AGNLLLLVVL LHSAPRRRTM ELYLLNLAVS NLLFVVTMPF WAISVAWHWV FGSFLCKVIS TLYSINFYCG IFFITCMSLD KYLEIVHAQP LHRPKAQFRN LLLIVMVWIT SLAISVPEMV FVQIHQTLDG VWHCYADFGG HATIWKLYLR FQLNLLGFLL PLLAMIFFYS RIGCVLVRRLR PPGQGRALRM AAALVIVFFM LWFYPNLTFL LHSLLDLHVF GNCEISHRLD YTLQVTESLA FSHCCFTPVL YAFCSHRFRR YLKAFLSVML RWHQAPGTSP SNHSESSRVT AQEDVSMND LGERQSEDSL NKGEMGNT 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)
Grade:	custom-made

Target Details

Target:	CCBP2
Alternative Name:	Ackr2 (CCBP2 Products)

Background: Atypical chemokine receptor 2 (C-C chemokine receptor D6) (Chemokine-binding protein 2) (Chemokine-binding protein D6),FUNCTION: Atypical chemokine receptor that controls chemokine levels and localization via high-affinity chemokine binding that is uncoupled from classic ligand-driven signal transduction cascades, resulting instead in chemokine sequestration, degradation, or transcytosis. Also known as interceptor (internalizing receptor) or chemokine-scavenging receptor or chemokine decoy receptor. Acts as a receptor for chemokines including CCL2, CCL3, CCL3L1, CCL4, CCL5, CCL7, CCL8, CCL11, CCL13, CCL17, CCL22, CCL23, CCL24, SCYA2/MCP-1, SCY3/MIP-1-alpha, SCYA5/RANTES and SCYA7/MCP-3. Upon active ligand stimulation, activates a beta-arrestin 1 (ARRB1)-dependent, G protein-independent signaling pathway that results in the phosphorylation of the actin-binding protein cofilin (CFL1) through a RAC1-PAK1-LIMK1 signaling pathway. Activation of this pathway results in up-regulation of ACKR2 from endosomal compartment to cell membrane, increasing its efficiency in chemokine uptake and degradation. By scavenging chemokines in tissues, on the surfaces of lymphatic vessels, and in placenta, plays an essential role in the resolution

Target Details

(termination) of the inflammatory response and in the regulation of adaptive immune responses. Plays a major role in the immune silencing of macrophages during the resolution of inflammation. Acts as a regulator of inflammatory leukocyte interactions with lymphatic endothelial cells (LECs) and is required for immature/mature dendritic cells discrimination by LECs. {ECO:0000269|PubMed:22651933}.

Molecular Weight: 43.2 kDa

UniProt: [O08707](#)

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