

Datasheet for ABIN7560074
FLVCR2 Protein (AA 1-551) (His tag)



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Overview

Quantity:	1 mg
Target:	FLVCR2
Protein Characteristics:	AA 1-551
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This FLVCR2 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat Flvcr2 Protein expressed in mammalien cells.
Sequence:	<p>MVNESLNQEE SDRPAPESI FQMDTSYSTQ PSGSIHPSVS GHPSVSGHPS VSGHPSVSIH PSVSIIDPSVS VRPSSSALPS TLAQPSGLTH HSSLVREDSV IKVSKRRWV VLVFSCYSLC NAFQWIQYGS INNIFMNFYG VSAFAIDWLS MCYMLTYIPL LLPVAWMLEK FGLRTIAITG SALNCLGAWV KLGSLPHLF PVTMVGQVIC SVAQVFILGM PSRIASVWFG ADEVSTACSV AVFGNQLGIA IGFLVPPVLV PNIKDPEKLA YHISIMFYII GGVATFLFIL VIIVFKEKPK HPPSRAQSLS YALATTDASY LSSIVRLFKN LNFVLLVITY GLNAGAFYAL STLLNRMVIL HFPGEEVNAG RIGLTIVIAG MFGAMISGIW LDKSKTYKET TLVVYIMTLV GMVYVYFTLN LNHLWIVFIT AGTLGFFMTG YLPLGFEFAV EFTYPESEGV SSGLLNVSAQ VFGIVFTISQ GQIIDNHGTM FGNIFLCVFL ALGSALTAFI KSDLRRQRAN KDAPETKVQE EEEEEEGSNT SKVPVNSEAH L</p> <p>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.</p>

Product Details

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 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

Grade:

custom-made

Target Details

Target:

FLVCR2

Alternative Name:

Flvcr2 ([FLVCR2 Products](#))

Background:

Heme transporter FLVCR2 (Calcium-chelate transporter) (CCT) (Feline leukemia virus subgroup C receptor-related protein 2) (Major facilitator superfamily domain containing 7C),FUNCTION: Putative heme b importer/sensor involved in heme homeostasis in response to the metabolic state of the cell and to diet. May act as a sensor of cytosolic and/or mitochondrial heme levels to regulate mitochondrial respiration processes, ATP synthesis and thermogenesis. At low heme levels, interacts with components of electron transfer chain (ETC) complexes and ATP2A2, leading to ubiquitin-mediated degradation of ATP2A2 and inhibition of thermogenesis. Upon heme binding, dissociates from ETC complexes to allow switching from mitochondrial ATP synthesis to thermogenesis. Alternatively, in coordination with ATP2A2 may mediate calcium transport and signaling in response to heme. {ECO:0000250|UniProtKB:Q9UPI3, ECO:0000269|PubMed:32973183}.

Molecular Weight:

60.1 kDa

Target Details

UniProt: [Q91X85](#)

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