

Datasheet for ABIN7564720

APOBR Protein (AA 1-942) (His tag)



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Overview

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| Quantity: | 1 mg |
| Target: | APOBR |
| Protein Characteristics: | AA 1-942 |
| Origin: | Mouse |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This APOBR protein is labelled with His tag. |

Product Details

| | |
|-----------|--|
| Purpose: | Custom-made recombinant Apobr Protein expressed in mammalian cells. |
| Sequence: | <p>MDFLRLRLPG LHQALRGALD SFSAFVSYLVD GDTVPTVERQ TQAAEELGEV TEGKVVGEEA</p> <p>QEVLEGLRSG QSEGVEAPEE TRRCQEGSLA GEQTWGWRAD SSARPQAERQ DTGSWKAAED</p> <p>ARGQEPSVPL KPEAEPGTHR DRSSNTAQEI WEHGEEEAASS GEPLRTCEQK EEEEEVRAA</p> <p>ESGMAEGVES QPTWHSEPPG NAGTEGQHVT EDSKEIDWVA KDMVAEIEWF GAKGIDKEEE</p> <p>RMVPMRDGER ARAQGTQCPG AESEDQAMLS REAWTVSDRE GADSLGVQGT EYGSDPGDNF</p> <p>PGTTGRVWVL EEADKGDQDQD EVDEKREAEV RFPIQTLEAE RTGEMTEGHI AEEEEAMGEQE</p> <p>TEGSFEDEER QDLAIRDNGV SLEEEVRAEE SSREKRNSWA TEPTLVLDTE AKDEPDWEDS</p> <p>PEVSTEELFV GERSEAAQMT PEVLRVKVTE GQDPELVRHS QALTKQLEEG QKGQEETSGA</p> <p>PDLSPERVLS LKEYPGPVGF AGPELEAWGN WSRGVDRRNS QEVKADAEAG KEQTATEQAV</p> <p>EIRAEGGQEA QQPEVFGSGG EEALTSVALN PELEGSQGAE AGTEESVEES KPTENEAEE</p> <p>EAVVPWEADG TCRKRRLEEV TSLQDSEDT ETSYLAEEII VGIRAVDTEE GPKWEAGLAP</p> <p>ETELGKAWCS EGRGEAGRGT ELEETTEKQS GQEVGLVGSA EKVSGYDIQE IDGTEEGEQA</p> |

Product Details

EMETSVMAED IRGTDGVTLG SQAERAEGSI TPMETEGLLR DQMLLEEEAG GGQSREQKVH
NSEGEIQTLD DSSDQEGQQT HQIPTVAVPG PLESAEATAG APGDVHSNWN EALLPGSRLD
VSVPRSRVLL SRSSRRRSR PSFHRISVPE PQCDPPSPQP QAERPVEQS SLQLEETPEL
SATKPEGTPV PARRKMLGRG FGFAHPGMMQ ELQARLSQPK PQ **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:**

- 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: APOBR

Alternative Name: Apobr ([APOBR Products](#))

Background: Apolipoprotein B receptor (Apolipoprotein B-100 receptor) (Apolipoprotein B48 receptor) (apoB-48R),FUNCTION: Macrophage receptor that binds to the apolipoprotein B48 (APOB) of dietary triglyceride (TG)-rich lipoproteins (TRL) or to a like domain of APOB in hypertriglyceridemic very low density lipoprotein (HTG-VLDL). Binds and internalizes TRL when out of the context of the

Target Details

macrophage. May provide essential lipids to reticuloendothelial cells. Could also be involved in foam cell formation with elevated TRL and remnant lipoprotein (RLP). Mediates the rapid high-affinity uptake of chylomicrons (CM), HTG-VLDL, and trypsinized (tryp) VLDL devoid of APOE in vitro in macrophages. {ECO:0000269|PubMed:12177162}.

Molecular Weight: 102.7 kDa

UniProt: [Q8VBT6](#)

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