

Datasheet for ABIN7552612
BCR Protein (AA 1-1271) (His tag)



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Overview

Quantity:	1 mg
Target:	BCR
Protein Characteristics:	AA 1-1271
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This BCR protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat BCR Protein expressed in mammalien cells.
Sequence:	MVDPVGF AEA WKAQFPDSEP PRMELRSVGD IEQELERCKA SIRRLEQEVN QERFRMIYLQ TLLAKEKKS Y DRQRWGFRR A AQAPDGASEP RASASRPQA PADGADPPPA EEPEARPDGE GSPGKARPGT ARRPGAAASG ERDDRGPPAS VAALRSNFER IRKGHGQPGA DAEKPFYVNV EFHHERGLVK VNDKEVSDRI SSLGSQAMQM ERKKSQHGAG SSVG DASRPP YRGRSSESSC GVDGDYEDAE LNPRFLKDNL IDANGGSRPP WPPLEYQPYQ SIYVGGMMEG EGKGPLLR SQ STSEQEKRLT WPRRSYSPRS FEDCGGGYTP DCSSNENLTS SEEDFSSGQS SRVSPSPTTY RMFRDKSRSP SQNSQQSFDS SSPPTQCHK RHRHCPVVVS EATIVGVRKT GQIWPNDGEG AFHGDADGSF GTPPGYGCAA DRAEEQRRHQ DGLPYIDDSP SSSPHLSSKG RGSRDALVSG ALESTKASEL DLEKGLEMRK WVLGILASE ETYLSHLEAL LLPMKPLKAA ATTSQPVLTS QQIETIFFKV PELYEIHKEF YDGLFPRVQQ WSHQQRVGD L FQKLASQLGV YRAFDNYGV AMEMA EKCCQ ANAQFAEISE NLRARSNKDA KDPTTKNSLE TLLYKPVDRV TRSTLVLHDL

LKHTPASHPD HPLLQDALRI SQNFLSSINE EITPRRQSMV VKKGEHRQLL KDSFMVELVE
GARKLRHVFL FTDLLLCTKL KKQSGGKTQQ YDCKWYIPLT DLSFQMVDEL EAVPNIPLVP
DEELDALKIK ISQIKNDIQR EKCRANKGSKA TERLKKKLSE QESLLLLMSP SMAFRVHSRN
GKSYTFLISS DYERAEWREN IREQQKKCFR SFSLTSVELQ MLTNSCVKLQ TVHSIPLTIN
KEDDESPGLY GFLNVIVHSA TGFKQSSNLY CTLEVDSFGY FVNKAKTRVY RDTAEPNWNE
EFEIELEGSQ TLRILCYEKC YNKTIPKED GESTDRLMGK GQVQLDPQAL QDRDWRQRTVI
AMNGIEVKLS VKFNSREFSL KRMPSRKQTG VFGVKIAVVT KRERSKVPIY VRQCVEEIER
RGMEEVGIYR VSGVATDIQA LKAADFVNK DVSVMMSEMD VNAIAGTLKL YFRELPEPLF
TDEFYPNFAE GIALSDPVAK ESCMLNLLLS LPEANLLTFL FLLDHLKRVA EKEAVNKMSL
HNLATVFGPT LLRPSEKESK LPANPSQPIT MTDSWSLEVM SQVQVLLYFL QLEAIPAPDS
KRQSILFSTE V **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 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:

BCR

Alternative Name:

BCR ([BCR Products](#))

Target Details

Background: Breakpoint cluster region protein (EC 2.7.11.1) (Renal carcinoma antigen NY-REN-26),FUNCTION: Protein with a unique structure having two opposing regulatory activities toward small GTP-binding proteins. The C-terminus is a GTPase-activating protein (GAP) domain which stimulates GTP hydrolysis by RAC1, RAC2 and CDC42. Accelerates the intrinsic rate of GTP hydrolysis of RAC1 or CDC42, leading to down-regulation of the active GTP-bound form (PubMed:7479768, PubMed:1903516, PubMed:17116687). The central Dbl homology (DH) domain functions as guanine nucleotide exchange factor (GEF) that modulates the GTPases CDC42, RHOA and RAC1. Promotes the conversion of CDC42, RHOA and RAC1 from the GDP-bound to the GTP-bound form (PubMed:7479768, PubMed:23940119). The amino terminus contains an intrinsic kinase activity (PubMed:1657398). Functions as an important negative regulator of neuronal RAC1 activity (By similarity). Regulates macrophage functions such as CSF1-directed motility and phagocytosis through the modulation of RAC1 activity (PubMed:17116687). Plays a major role as a RHOA GEF in keratinocytes being involved in focal adhesion formation and keratinocyte differentiation (PubMed:23940119).
{ECO:0000250|UniProtKB:Q6PAJ1, ECO:0000269|PubMed:1657398, ECO:0000269|PubMed:17116687, ECO:0000269|PubMed:1903516, ECO:0000269|PubMed:23940119, ECO:0000269|PubMed:7479768}.

Molecular Weight: 142.8 kDa

UniProt: [P11274](#)

Pathways: [Regulation of Leukocyte Mediated Immunity](#), [Platelet-derived growth Factor Receptor Signaling](#)

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

Handling

Storage Comment: Store at -80°C.

Expiry Date: 12 months