

Datasheet for ABIN7564104
BCR Protein (AA 1-1270) (His tag)



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Overview

Quantity:	1 mg
Target:	BCR
Protein Characteristics:	AA 1-1270
Origin:	Mouse
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:	MVDSVGFAEA WRAQFPDSEP PRMELRSVGD IEQELERCKA SIRRLQEVN QERFRMIYLQ TLLAKEKKSYS DRQRWGFERRA AQPPDGAAEP RASAPRPPPA PADGADPAPV EESEARPDGE GSPSKGRSAS ARRPAASA DRDDRGPPPTS VAALRSNFEK IRKGPAQPGS ADAEKPFYVN VEFHHERGLV KVNDKEVSDR ISSLGSQAMQ MERKKSQQSA GQGLGEAPRP HYRGRSSESS CGLDGDYEDA ELNPRFLKDN LINANGGNRP PWPPLEYQPY QSIYVGGMMV EGEKSPLLR SQSTSEQEKR LTWPRRSYSP RSFEDSGGGY TPDCSSNENL TSSEEDFSSG QSSRVSPSPT TYRMFRDKSR SPSQNSQQSF DSSSPPTQC QKRHRQCQV VSEATIVGVR KTGQIWPSDG DSTFQGEADS SFGTPPGYGC AADQAEEQRR HQDGLPYIDD SPSSSPHLSS KGRGSLASGA LDPTKVSELD LEKGLEMRKW VLSGILASEE TYLSHLEALL LPMKPLKAAA TTSQPVLTSQ QIETIFFKVP ELYEIHKEFY DGLFPRVQWV SHQQRVGDLF QKLASQLGVY RAFVDNYGVA METAEKCCQA NAQFAEISEN LRARSNKDVK DSTTKNSLET LLYKPVDVRT RSTLVLHDL

KHTPSSHDPH SLLQDALRIS QNFLSSINEE ITPRRQSMTV KKGEHRQLLK DSFMVELVEG
ARKLRHIFLF TDLLLCTKLK KQSGGKTQQY DCKWYIPLTD LSFQMVDELE ALPNIPLVPD
EELDALKIKI SSIKSDIQRE KRANKGSKVM ERLRKKLSEQ ESLLLLMSPS MAFRVHSRNG
KSYTFLISSD YERAEWRESI REQQKKCFKS FSLTSVELQM LTNSCVKLQT VHHIPLTINK
EDDESPGLYG FLHVIVHSAT GFKQSSNYC TLEVDSFGYF VNKAKTRVYR DTTEPNWNEE
FEIELEGSQT LRILCYEKCY NKMKMTKEDG ESADKLMGKG QVQLDPQTLQ DRDWQRTVID
MNGIEVKLSV KFTSREFSLK RMPSRKQTGV FGVKIAVVTK RERSKVPIYV RQCVEEIERR
GMEEVGIYRV SGVATDIQAL KAAFVNNDK VSVMMSEMDV NAIAGTLKLY FRELPEPLFT
DEFYPNFAEG IALSDPVAKE SCMLNLLLSL PEANLLTFLF LLDHLKRVAE KETVKNMSLH
NLATVFGPTL LRPSEKESKL PANPSQPITM TDSWSLEVMS QVQVLLYFLQ LEAIPAPDSK
RQSILFSTEV **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),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. 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. The amino terminus contains an intrinsic kinase activity (By similarity). Functions as an important negative regulator of neuronal RAC1 activity (PubMed:20962234). 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 (By similarity). {ECO:0000250|UniProtKB:P11274, ECO:0000269|PubMed:17116687, ECO:0000269|PubMed:20962234}.

Molecular Weight: 143.1 kDa

UniProt: [Q6PAJ1](#)

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

Storage Comment: Store at -80°C.

Expiry Date: 12 months