

Datasheet for ABIN7552743
BRD1 Protein (AA 1-1058) (His tag)



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Overview

Quantity:	1 mg
Target:	BRD1
Protein Characteristics:	AA 1-1058
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This BRD1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat BRD1 Protein expressed in mammalian cells.
Sequence:	<p>MRRKGRCHRG SAARHPSSPC SVKHSPTRET LTYAQAQRMV EIEIEGRLHR ISIFDPLEII</p> <p>LEDDLTAQEM SECNSNKENS ERPPVCLRTK RHKNNRVKKK NEALPSAHGT PASASALPEP</p> <p>KVRIVEYSPP SAPRRPPVYY KFIKSAEEL DNEVEYDMDE EDYAWLEIVN EKRKGDCVPA</p> <p>VSQSMFEFLM DRFEKESHCE NQKQGEQQSL IDEDAVCCIC MDGECQNSNV ILFCDMCNLA</p> <p>VHQECYGVYPY IPEGQWLCRH CLQSRARPAD CVLCPNKGGA FKKTDDDRWG HVVCALWIPE</p> <p>VGFANTVFIE PIDGVRNIPP ARWKLTCLYC KQKGVGACIQ CHKANCYTAF HVTCAQKAGL</p> <p>YMKMEPVKEL TGGGTTFSVR KTAYCDVHTP PGCTRRPLNI YGDVEMKNGV CRKESSVKTV</p> <p>RSTSKVRKKA KKAKKALAEP CAVLPTVCAP YIPPQRLNRI ANQVAIQRKK QFVERAHSYW</p> <p>LLKRLSRNGA PLLRRLQSSL QSQRSSQRE NDEEMKAAKE KLKYWQRLRH DLERARLLIE</p> <p>LLRKREKLKR EQVKVEQVAM ELRLTPLTVL LRSVLDQLQD KDPARIFAQP VSLKEVPDYL</p> <p>DHIKHPMDFA TMRKRLEAQG YKNLHEFEED FDLIIDNCMK YNARDTVFYR AAVRLRDQGG</p>

VVLRQARREV DSIGLEEASG MHLPERPAAA PRRPFSWEDV DRLLDPANRA HLGLEEQLRE
LLDMLDLTCA MKSSGSRSKR AKLLKKEIAL LRNKLSQQHS QPLPTGPGLE GFEEEDGAALG
PEAGEEVLPR LETLLQPRKR SRSTCGDSEV EEESPGKRLD AGLTNGFGGA RSEQEPGGGL
GRKATPRRRC ASESSISSN SPLCDSSFNA PKCGRGKPAL VRRHTLEDRE ELISCIENG
YAKAARIAAE VGQSSMWIST DAAASVLEPL KVVWAKCSGY PSYPALIIDP KMPRVPGHHN
GVTIPAPPLD VLKIGEHEMT KSDEKLFLVL FFDNKRSWQW LPKSKMVPLG IDETIDKLKM
MEGRNSSIRK AVRIAFDRAM NHLSRVHGEP TSDLSDD **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:

BRD1

Alternative Name:

BRD1 ([BRD1 Products](#))

Background:

Bromodomain-containing protein 1 (BR140-like protein) (Bromodomain and PHD finger-containing protein 2),FUNCTION: Scaffold subunit of various histone acetyltransferase (HAT) complexes, such as the MOZ/MORF and HBO1 complexes, that acts as a regulator of

Target Details

	hematopoiesis (PubMed:16387653, PubMed:21753189, PubMed:21880731). Plays a key role in HBO1 complex by directing KAT7/HBO1 specificity towards histone H3 'Lys-14' acetylation (H3K14ac), thereby promoting erythroid differentiation (PubMed:21753189). {ECO:0000269 PubMed:16387653, ECO:0000269 PubMed:21753189, ECO:0000269 PubMed:21880731}.
Molecular Weight:	119.5 kDa
UniProt:	O95696

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