

Datasheet for ABIN7552844

BRD8 Protein (AA 1-1235) (His tag)



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Overview

Quantity:	1 mg
Target:	BRD8
Protein Characteristics:	AA 1-1235
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This BRD8 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat BRD8 Protein expressed in mammalian cells.
Sequence:	<p>MATGTGKHKL LSTGPTEPWS IREKLCLASS VMRSGDQNWV SVSRAIKPFA EPGRPPDWFS</p> <p>QKHCASQYSE LLETTETPKR KRGEKGEVVE TVEDVIVRKL TAERVEELKK VIKETQERYR</p> <p>RLKRDAELIQ AGHMDSRLDE LCNDIATKKK LEEEEEAEVKR KATDAAYQAR QAVKTPPRRL</p> <p>PTVMVRSPID SASPGGDYPL GDLTPTTMEE ATSGVNESEM AVASGHLNST GVLLEVGGVL</p> <p>PMIHGGEIQQ TPNTVAASPA ASGAPTL SRL LEAGPTQFTT PLASFTTVAS EPPVKLVPPP</p> <p>VESVSQATIV MMPALPAPSS APAVSTTESV APVSQPDNCV PMEAVGDPHT VTVSMDSSEI</p> <p>SMIINSIKEE CFRSGVAEAP VGSKAPSIDG KEELDLAEKM DIAVSYTGEE LDFETVGDII</p> <p>AIIEDKVDDH PEVLDVAAVE AALSFCEEND DPQSLPGPWE HPIQQRDKP VPLPAPEMTV</p> <p>KQERLD FEET ENKGIHELVD IREPSAEIKV EPAEPEPVIS GAEIVAGVVP ATSMEPPELR</p> <p>SQDLDEELGS TAAGEIVEAD VAIGKGETP LTNVKTEASP ESMLSPSHGS NPIEDPLEAE</p> <p>TQHKFEMSDS LKEESGTIFG SGIKDAPGED EEEDGVSEAA SLEEPKEEDQ GEGYLSEMDN</p>

EPPVSEDDG FSIHNATLQS HTLADSIPSS PASSQFSVCS EDQEAIAQK IWKKAIMLVW
RAAANHRYAN VFLQPVTDDI APGYHSIVQR PMDLSTIKKN IENGLIRSTA EFQRDIMLMF
QNAVMYNSSD HDVYHMAVEM QRDVLEIQQ FLATQLIMQT SESGISAKSL RGRDSTRKQD
ASEKDSVPMG SPAFLLSLFM GHEWVWLDSE QDHPNDSELS NDCRSLFSSW DSSLDLVDGN
WRETEDPEAE ELEESSPERE PSELLVGDDG SEESQEAARK ASHQNLLHFL SEVAYLMEPL
CISSNESSEG CCPPSGTRQE GREIKASEGE RELCRETEEL SAKGDPLVAE KPLGENGKPE
VASAPSVICT VQGLLTESEE GEAQQESKGE DQGEVYVSEM EDQPPSGECD DAFNIKETPL
VDTLFSHATS SKLTDLSQDD PVQDHLLFKK TLLPVWKMIA SHRFSSPFLK PVSERQAPGY
KDVVKRPMDL TSLKRNL SKG RIRTMAQFLR DLMLMFQNAV MYNDSDDHHVY HMAVEMRQEV
LEQIQVLNIW LDKRKGSSSL EGEPANPVDD GKPVF

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:	<p>Key Benefits:</p> <ul style="list-style-type: none">• 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). <p>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.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>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.</p>
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Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
Grade:	custom-made

Target Details

Target:	BRD8
Alternative Name:	BRD8 (BRD8 Products)

Target Details

Background:	<p>Bromodomain-containing protein 8 (Skeletal muscle abundant protein) (Skeletal muscle abundant protein 2) (Thyroid hormone receptor coactivating protein of 120 kDa) (TrCP120) (p120),FUNCTION: May act as a coactivator during transcriptional activation by hormone-activated nuclear receptors (NR). Isoform 2 stimulates transcriptional activation by AR/DHTR, ESR1/NR3A1, RXRA/NR2B1 and THRB/ERBA2. At least isoform 1 and isoform 2 are components of the NuA4 histone acetyltransferase (HAT) complex which is involved in transcriptional activation of select genes principally by acetylation of nucleosomal histones H4 and H2A. This modification may both alter nucleosome - DNA interactions and promote interaction of the modified histones with other proteins which positively regulate transcription. This complex may be required for the activation of transcriptional programs associated with oncogene and proto-oncogene mediated growth induction, tumor suppressor mediated growth arrest and replicative senescence, apoptosis, and DNA repair. NuA4 may also play a direct role in DNA repair when recruited to sites of DNA damage. Component of a SWR1-like complex that specifically mediates the removal of histone H2A.Z/H2AZ1 from the nucleosome.</p> <p>{ECO:0000269 PubMed:10517671, ECO:0000269 PubMed:14966270, ECO:0000269 PubMed:24463511}.</p>
Molecular Weight:	135.3 kDa
UniProt:	Q9H0E9

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