

Datasheet for ABIN7552772
BRD7 Protein (AA 1-651) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	BRD7
Protein Characteristics:	AA 1-651
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This BRD7 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat BRD7 Protein expressed in mammalian cells.
Sequence:	MGKKHKHKS DKHLYEYVE KPLKLVKVG GNEVTELSTG SSGHDSSLFE DKNDHDKHKD RKRKKRKKGE KQIPGEEKGR KRRRVKEDKK KRDRDRVENE AEKDLQCHAP VRLDLPPEKP LTSSLAKQEE VEQTPLQEAL NQLMRQLQRK DPSAFFSFPV TDFIAPGYSM IIKHPMDFST MKEIKNNNDY QSIEELKDNF KLMCTNAMIIY NKPETIYYKA AKKLLHSGMK ILSQERIQSL KQSIDFMADL QKTRKQKDGT DTSQSGEDGG CWQREREDSG DAEAHAFKSP SKENKKKDKD MLEDKFKSNN LEREQEQLDL IVKESGGKLT RRLVNSQCEF ERRKPDGTTT LGLLHPVDPI VGEPGYCPVR LGMTTGRLQS GVNTLQGFKE DKRNKVTPLV YLNYGPYSSY APHYDSTFAN ISKDDSDLIY STYGEDSDLP SDFSIEFLA TCQDYPYVMA DSLLDVLTKG GHSRTLQEME MSLPEDEGHT RTLDTAKEME ITEVEPPGRL DSSTQDRLIA LKAVTNFGVP VEVFDSEAE IFQKKLDETT RLLRELQEAQ NERLSTRPPP NMICLLGPSY REMHLAEQVT NNLKELAAQV TPGDIVSTYG VRKAMGISIP SPVMENNFDV LTEDTEPPK TDVAECGPGG S 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>
Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
Grade:	custom-made

Target Details

Target:	BRD7
Alternative Name:	BRD7 (BRD7 Products)
Background:	<p>Bromodomain-containing protein 7 (75 kDa bromodomain protein) (Protein CELTIX-1),FUNCTION: Acts both as coactivator and as corepressor. May play a role in chromatin remodeling. Activator of the Wnt signaling pathway in a DVL1-dependent manner by negatively regulating the GSK3B phosphotransferase activity. Induces dephosphorylation of GSK3B at 'Tyr-216'. Down-regulates TRIM24-mediated activation of transcriptional activation by AR (By similarity). Transcriptional corepressor that down-regulates the expression of target genes. Binds to target promoters, leading to increased histone H3 acetylation at 'Lys-9' (H3K9ac). Binds to the ESR1 promoter. Recruits BRCA1 and POU2F1 to the ESR1 promoter. Coactivator for TP53-mediated activation of transcription of a set of target genes. Required for TP53-mediated cell-cycle arrest in response to oncogene activation. Promotes acetylation of TP53 at</p>

Target Details

	'Lys-382', and thereby promotes efficient recruitment of TP53 to target promoters. Inhibits cell cycle progression from G1 to S phase. {ECO:0000250, ECO:0000269 PubMed:16265664, ECO:0000269 PubMed:16475162, ECO:0000269 PubMed:20215511, ECO:0000269 PubMed:20228809, ECO:0000269 PubMed:20660729}.
Molecular Weight:	74.1 kDa
UniProt:	Q9NPI1

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