

Datasheet for ABIN7562645
BRD7 Protein (AA 1-651) (His tag)



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Overview

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| Quantity: | 1 mg |
| Target: | BRD7 |
| Protein Characteristics: | AA 1-651 |
| Origin: | Mouse |
| 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

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| Purpose: | Custom-made recombinat Brd7 Protein expressed in mammalian cells. |
| Sequence: | <p>MGKKHKKHKS DRHFYEEYVE KPLKLVLKVG GSEVTELSTG SSGHDSSEFE DRSDHDKHKD</p> <p>RKRKKRKKGE KQAPGEEKGR KRRRVKEDKK KRDRDRAENE VDRDLQCHVP IRLDLPPEKP</p> <p>LTSSLAKQEE VEQTPLQEAL NQLMRQLQRK DPSAFFSFPV TDFIAPGYSM IIKHPMDFST</p> <p>MKEKIKNNDY QSIEELKDNF KLMCTNAMIIY NKPETIYYKA AKKLLHSGMK ILSQERIQSL</p> <p>KQSIDFMSDL QKTRKQKERT DACQSGEDSG CWQREREDSG DAETQAFRSP AKDNKRKDKD</p> <p>VLEDKWRSSN SEREHEQIER VVQESGGKLT RRLANSQCEF ERRKPDGTTT LGLLHPVDPI</p> <p>VGEPGYCPVR LGMTTGRLQS GVNTLQGFKE DKRNRVTPVL YLNYGPYSSY APHYDSTFAN</p> <p>ISKDDSDLIY STYGEDSDLP NNFSISEFLA TCQDYPYVMA DSLLDVLTKG GHSRSLQDLD</p> <p>MSSPEDEGQT RALDTAKEAE ITQIEPTGRL ESSSQDRLTA LQAVTTFGAP AEVFDSEEA</p> <p>VFQRKLDETT RLLRELQEAQ NERLSTRPPP NMICLLGPSY REMYLAEQVT NNLKELTQQV</p> <p>TPGDVVSIHG VRKAMGISVP SPIVGNSFVD LTGECEEPKE TSTAECGPDA S Sequence without</p> |

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.

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| 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

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| Target: | BRD7 |
| Alternative Name: | Brd7 (BRD7 Products) |
| Background: | <p>Bromodomain-containing protein 7 (75 kDa bromodomain protein),FUNCTION: Acts both as coactivator and as corepressor. May play a role in chromatin remodeling. 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 'Lys-382', and thereby promotes efficient recruitment of TP53 to target promoters. Inhibits cell cycle progression from G1 to S phase (By similarity). Activator of the Wnt signaling pathway in a DVL1-dependent manner by negatively regulating the GSK3B phosphotransferase activity. Induces</p> |

Target Details

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| | dephosphorylation of GSK3B at 'Tyr-216'. Down-regulates TRIM24-mediated activation of transcriptional activation by AR. {ECO:0000250, ECO:0000269 PubMed:12941796, ECO:0000269 PubMed:18809673, ECO:0000269 PubMed:19909775}. |
| Molecular Weight: | 74.0 kDa |
| UniProt: | O88665 |

Application Details

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| 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

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| 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 |