

Datasheet for ABIN7564693

ACTR8 Protein (AA 1-624) (His tag)



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Overview

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| Quantity: | 1 mg |
| Target: | ACTR8 |
| Protein Characteristics: | AA 1-624 |
| Origin: | Mouse |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This ACTR8 protein is labelled with His tag. |
| Application: | Western Blotting (WB), SDS-PAGE (SDS) |

Product Details

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| Purpose: | Custom-made recombinat Actr8 Protein expressed in mammalian cells. |
| Sequence: | <p>MTQAEKGDAE NGKEKGGEKE KEQRGVKRPI VPALVPESLQ EQIQSNFIVV IHPGSTTLRL</p> <p>GRATDTLPVS VPHVIARRHK QQGQPLYKDN WLLREGLNKP ESNEQRQNGL KMVDQAIWSK</p> <p>KMSGTRRIP VSPEQTRSYN KQMRPAILDH CSGNKWTNTS QQPEYLVGEE ALYVNPLDCY</p> <p>NIHWPIRRGQ LNIHPGPGGS LTAVLADIEV IWSHAIQKYL EIPLKDLKYY RCILLIPDIY</p> <p>NKQHVKELVH MILMKMGFAG IVVHQESVCA TFGSGLSSTC VVDVGDQKTS VCCVEDGVSH</p> <p>RNTRLCLAYG GSDVSRCFYW LMQRAGFPYR ECQLTNKMDC LLLQHLKETF CHLDQDISGL</p> <p>QDHEFQIRHP DSPALLYQFR LGDEKLQAPM ALFYPTATFI VGQKMTTLQH RSQGDPEDPH</p> <p>DEHYLLATQS KQEQAQAKATA DRKSASKPIG FEGDLRGQSS DLPERLHSQE VDLASSQGDC</p> <p>LMAGNESEEA LTALMSRKTA ISLFEGKALG LDKAILHSVD CCSSDDTKKK MYSSILVGG</p> <p>GLMFHKAQEF LQHRILNKMP PSFRRIENV DVITRPKDMD PRLIAWKGGA VLACLDTTQE</p> <p>LWIYQREWQR FGVRMLRERA AFVW Sequence without tag. The proposed Purification-Tag is</p> |

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: | ACTR8 |
| Alternative Name: | Actr8 (ACTR8 Products) |
| Background: | Actin-related protein 8,FUNCTION: Plays an important role in the functional organization of mitotic chromosomes. Exhibits low basal ATPase activity, and unable to polymerize (By similarity). {ECO:0000250}., FUNCTION: Proposed core component of the chromatin remodeling INO80 complex which is involved in transcriptional regulation, DNA replication and probably DNA repair. Required for the recruitment of INO80 (and probably the INO80 complex) to sites of DNA damage Strongly prefer nucleosomes and H3-H4 tetramers over H2A-H2B dimers, suggesting it may act as a nucleosome recognition module within the complex (By similarity). {ECO:0000250}. |
| Molecular Weight: | 70.5 kDa |
| UniProt: | Q8R2S9 |

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

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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 |