

Datasheet for ABIN7563895

Deltex Homolog 1 Protein (AA 1-627) (His tag)



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Overview

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| Quantity: | 1 mg |
| Target: | Deltex Homolog 1 (DTX1) |
| Protein Characteristics: | AA 1-627 |
| Origin: | Mouse |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This Deltex Homolog 1 protein is labelled with His tag. |

Product Details

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| Purpose: | Custom-made recombinant Dtx1 Protein expressed in mammalian cells. |
| Sequence: | <p>MSRPGQGVMV PVNGLGFPPQ NVARVVVWEW LNEHSRWRPY TATVCHHIEN VLKEDARGSV</p> <p>VLGQVDAQLV PYIIDLQSMH QFRQDTGTMR PVRRNFYDPS SAPGKGIVWE WENDGGAWTA</p> <p>YDMDCITIQ NAYEKQHPWL DLSSLGFCYL IYFNSMSQMN RQTRRRRRRLR RRLDLAYPLT</p> <p>VGSIPKSQSW PVGASSGQPC SCQQCLLVNS TRAASNAILA SQRRKAPIAP AAPPAPPPPP</p> <p>PPLPPGGPPG ALVVRPSATF AGAALWAAPA TGPTEPAPPV GVPPRSPSAP NGAPTPGQNN</p> <p>LSRPGPQRST SVSARASIPP GVPALPVKNL NGTGPVHPAL AGMTGILLCA AGLPVCLTRA</p> <p>PKPILHPPPV SKSDVKVPG VPGVCRKTKK KHLKSKNPE DVVRRYMQKV KNPPDEDCI</p> <p>CMERLVTASG YEGVLRNKS SVPELVGRLGR CGHMYHLLCL VAMYSNGNKG GSLQCPTCKA</p> <p>IYGEKTGTQP PGKMEFHLIP HSLPGFADTQ TIRIVYDIPT GIQGPHEPNP GKKFTARGFP</p> <p>RHCYLPNNEK GRKVLRLIT AWERRIFTI GTSNTTGESD TVVWNEIHHK TEFGSNLTGH</p> <p>GYPDASYLDN VLAELTAQGV SEAMAKA Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the</p> |

protein could make another tag necessary. In case you have a special request, please contact us.

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| Specificity: | If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer. |
| 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, anti-tag ELISA, Western Blot and analytical SEC (HPLC) |
| Grade: | custom-made |

Target Details

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| Target: | Deltex Homolog 1 (DTX1) |
| Alternative Name: | Dtx1 (DTX1 Products) |
| Background: | E3 ubiquitin-protein ligase DTX1 (EC 2.3.2.27) (FXI-T1) (Protein deltex-1) (Deltex1) (mDTX1) (RING-type E3 ubiquitin transferase DTX1),FUNCTION: Regulator of Notch signaling, a signaling pathway involved in cell-cell communications that regulates a broad spectrum of cell-fate determinations. Mainly acts as a positive regulator of Notch, but it also acts as a negative regulator, depending on the developmental and cell context. Mediates the antineural activity of Notch, possibly by inhibiting the transcriptional activation mediated by MATCH1. Involved in neurogenesis, lymphogenesis and myogenesis, and may also be involved in MZB (Marginal zone B) cell differentiation. Promotes B-cell development at the expense of T-cell development, suggesting that it can antagonize NOTCH1. Functions as an ubiquitin ligase protein in vivo, |

Target Details

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| | mediating ubiquitination and promoting degradation of MEKK1, suggesting that it may regulate the Notch pathway via some ubiquitin ligase activity. {ECO:0000269 PubMed:15684388}. |
| Molecular Weight: | 68.1 kDa |
| UniProt: | Q61010 |
| Pathways: | Notch Signaling |

Application Details

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| Application Notes: | We expect the protein to work for functional studies. 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 |