

Datasheet for ABIN7564273
TDRKH Protein (AA 1-560) (His tag)



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Overview

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| Quantity: | 1 mg |
| Target: | TDRKH |
| Protein Characteristics: | AA 1-560 |
| Origin: | Mouse |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This TDRKH protein is labelled with His tag. |

Product Details

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| Purpose: | Custom-made recombinant Tdrkh Protein expressed in mammalian cells. |
| Sequence: | <p>MSTERTSWTN LSTIQKIALG LGIPASATVA YILYRRYRES REERLTFVGE DDIEIEMRVP</p> <p>QEA VKLIIGR QGANIKQLRK QTGARIDVDT EDVGDERVLL ISGFVPVQVCK AKAAIHQILT</p> <p>ENTPVFEQLS VPQRSVGR II GRGETIRSI CKASGAKITC DKESEG TLLL SRLIKISGTQ</p> <p>KEVAAAKHLI LEKVSEDEEL RKRIAHSAET RVPRKQPISV RREEVTEPGG AGEAALWKNT</p> <p>NSSMGPATPL EVPLRKGGGD MVVVGPKEGS WEKPND DSFQ NSGAQSSPET SMFEIPSPDF</p> <p>SFHADEYLEV YVSASEHPNH FWIQIIGSRS LQLDKLVSEM TQHYENSLPE DLT VHVGDIV</p> <p>AAPLSTNGSW YRARVLGTLE NGNLDLYFVD FGDNGDCALK DLRALRSDFL SLPFQAIECS</p> <p>LARIAPTGEE WEEEALDEFD RLTHCADWKP LVAKISSYVQ TGISTWPKIY LYDTSDEKKL</p> <p>DIGLELVRKG YAVELPEDME ENRTVPNMLK DMATETDDSL ASILTETKKS PEEMPHLSC</p> <p>LSLSEAASMS GDDNLEDDL F 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.</p> |

Product Details

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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: | TDRKH |
| Alternative Name: | Tdrkh (TDRKH Products) |
| Background: | <p>Tudor and KH domain-containing protein (Tudor domain-containing protein 2),FUNCTION: Participates in the primary piRNA biogenesis pathway and is required during spermatogenesis to repress transposable elements and prevent their mobilization, which is essential for the germline integrity. The piRNA metabolic process mediates the repression of transposable elements during meiosis by forming complexes composed of piRNAs and Piwi proteins and govern the methylation and subsequent repression of transposons. Required for the final steps of primary piRNA biogenesis by participating in the processing of 31-37 nt intermediates into mature piRNAs. May act in pi-bodies and piP-bodies by transferring piRNA precursors or intermediates to or between these granules. {ECO:0000269 PubMed:23714778}.</p> |
| Molecular Weight: | 62.1 kDa |

Target Details

UniProt: [Q80VL1](#)

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 |