

Datasheet for ABIN7554142
IKZF1 Protein (AA 1-519) (His tag)



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Overview

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| Quantity: | 1 mg |
| Target: | IKZF1 |
| Protein Characteristics: | AA 1-519 |
| Origin: | Human |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This IKZF1 protein is labelled with His tag. |

Product Details

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| Purpose: | Custom-made recombinant IKZF1 Protein expressed in mammalian cells. |
| Sequence: | <p>MDAdegQDMS QVSGKESPPV SDTPDEGDEP MPIPEdLSTT SGGQqSSKSD RvVASNVKVE</p> <p>TQsDEENGra CEMNGEECAE DLRMLDASGE KMNGSHRDQG SSALSGVGGI RLPNGKLKCD</p> <p>ICGIICIGPN VLMVHKRSHT GERPFQCNQC GASFTQKGNL LRHIKLHSGE KPFKCHLCNY</p> <p>ACRRRDALTG HLRTHSVGKP HKCGYCGRSY KQRSSLEEhk ERCHNYLESM GLPGTLYPVI</p> <p>KEETNHSEMA EDLCKIGSER SLVLDRLASN VAKRKSSMPQ KFLGDKGLSD TPYDSSASYE</p> <p>KENEMMKSHV MDQAINNAIN YLGAESLRPL VQTppGGSEV VPVISPMyQL HKPLAEGTPR</p> <p>SNHSAQDSAV ENLLLLSKAK LVPsEREASP SNsCQDSTDT ESNNEEQRSg LIYLTNHIAP</p> <p>HARngLSLKE eHrAYDLLRA ASensQDALR VVSTSGEQMK VYKCEHCRVL FLDHVMYTIH</p> <p>MGCHGFRDPF eCNMcGYHSQ DRyEFSSHIT RGEHRFHMS 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: | IKZF1 |
| Alternative Name: | IKZF1 (IKZF1 Products) |
| Background: | <p>DNA-binding protein Ikaros (Ikaros family zinc finger protein 1) (Lymphoid transcription factor LyF-1),FUNCTION: Transcription regulator of hematopoietic cell differentiation (PubMed:17934067). Binds gamma-satellite DNA (PubMed:17135265, PubMed:19141594). Plays a role in the development of lymphocytes, B- and T-cells. Binds and activates the enhancer (delta-A element) of the CD3-delta gene. Repressor of the TDT (fikzfterminal deoxynucleotidyltransferase) gene during thymocyte differentiation. Regulates transcription through association with both HDAC-dependent and HDAC-independent complexes. Targets the 2 chromatin-remodeling complexes, NuRD and BAF (SWI/SNF), in a single complex (PYR complex), to the beta-globin locus in adult erythrocytes. Increases normal apoptosis in adult erythroid cells. Confers early temporal competence to retinal progenitor cells (RPCs) (By similarity). Function is isoform-specific and is modulated by dominant-negative inactive</p> |

Target Details

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| | isoforms (PubMed:17135265, PubMed:17934067). {ECO:0000250 UniProtKB:Q03267, ECO:0000269 PubMed:10204490, ECO:0000269 PubMed:17135265, ECO:0000269 PubMed:17934067, ECO:0000269 PubMed:19141594}. |
| Molecular Weight: | 57.5 kDa |
| UniProt: | Q13422 |
| Pathways: | Production of Molecular Mediator of Immune Response |

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 |