

Datasheet for ABIN7558985
SLX1A/GIYD2 Protein (AA 1-270) (His tag)



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Overview

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| Quantity: | 1 mg |
| Target: | SLX1A/GIYD2 (SLX1B) |
| Protein Characteristics: | AA 1-270 |
| Origin: | Mouse |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This SLX1A/GIYD2 protein is labelled with His tag. |

Product Details

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| Purpose: | Custom-made recombinant Slx1b Protein expressed in mammalian cells. |
| Sequence: | MDHAARPGRF FGVYLLYCQN PRHRGRVYVG FTVNPARRVR QHNAGRKKGG AWRTSGRGPW DMVLIHGF SAVAALRFEW AWQHPQASRR LTHVGPRLRS EAAFAFHLRV LAHMLRVPPW VRLPLTLRWL RPDFRHELCP APPAHMPIAF GPPPPQPLVP KRPAVSEADS ERQLDLGTKA RCSLCARLLQ DEEGPLCCPH PGCPTRAHII CLAEFLQEE PGQLPLEGH CPSCKKSLW GNLVGQCHAD TEEEDLELE EEHWTDLLET 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. |
| 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: | Key Benefits: |

Product Details

- 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).

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.

If you are not interested in a full length protein, please contact us for individual protein fragments.

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.

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| 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: | SLX1A/GIYD2 (SLX1B) |
| Alternative Name: | Slx1b (SLX1B Products) |
| Background: | Structure-specific endonuclease subunit SLX1 (EC 3.1.-.-) (GIY-YIG domain-containing protein 1),FUNCTION: Catalytic subunit of the SLX1-SLX4 structure-specific endonuclease that resolves DNA secondary structures generated during DNA repair and recombination. Has endonuclease activity towards branched DNA substrates, introducing single-strand cuts in duplex DNA close to junctions with ss-DNA. Has a preference for 5'-flap structures, and promotes symmetrical cleavage of static and migrating Holliday junctions (HJs). Resolves HJs by generating two pairs of ligatable, nicked duplex products. {ECO:0000255 HAMAP-Rule:MF_03100}. |
| Molecular Weight: | 30.7 kDa |
| UniProt: | Q8BX32 |
| Pathways: | DNA Damage Repair |

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 |
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Application Details

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| | 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 |