

Datasheet for ABIN7559926

NUDT16L1 Protein (AA 1-211) (His tag)[Go to Product page](#)

Overview

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| Quantity: | 1 mg |
| Target: | NUDT16L1 |
| Protein Characteristics: | AA 1-211 |
| Origin: | Mouse |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This NUDT16L1 protein is labelled with His tag. |

Product Details

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| Purpose: | Custom-made recombinant Nudt16l1 Protein expressed in mammalian cells. |
| Sequence: | MSTTTVPELK QISREEAMRL GPGWSHSCHA MLYAANPGQL FGRIPMRFSV LMQMRFDGLL GFPGGFVDRR FWSLEDGLNR VLGLGLGGLR LTEADYLSSH LTEGPHRVVA HLYARQLTLE QLHAVEISAV HSRDHGLEVL GLVRVPLYTQ KDRVGGFPNF LSNAFVSTAK YQLLFALKVL NMMPSEKLAE ALASATEKQK KALEKLLPPS S 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: <ul style="list-style-type: none">• Made to order protein - from design to production - by highly experienced protein experts. |

Product Details

- 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: | NUDT16L1 |
| Alternative Name: | Nudt16l1 (NUDT16L1 Products) |
| Background: | Tudor-interacting repair regulator protein (NUDT16-like protein 1) (Protein syndesmos),FUNCTION: Key regulator of TP53BP1 required to stabilize TP53BP1 and regulate its recruitment to chromatin. In absence of DNA damage, interacts with the tandem Tudor-like domain of TP53BP1, masking the region that binds histone H4 dimethylated at 'Lys-20' (H4K20me2), thereby preventing TP53BP1 recruitment to chromatin and maintaining TP53BP1 localization to the nucleus. Following DNA damage, ATM-induced phosphorylation of TP53BP1 and subsequent recruitment of RIF1 leads to dissociate NUDT16L1/TIRR from TP53BP1, unmasking the tandem Tudor-like domain and allowing recruitment of TP53BP1 to DNA double strand breaks (DSBs). Binds U8 snoRNA. {ECO:0000250 UniProtKB:Q9BRJ7}. |
| Molecular Weight: | 23.4 kDa |
| UniProt: | Q8VHN8 |

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

functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

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
