Datasheet for ABIN7547122

# DPH5 Protein (AA 1-285) (His tag)

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## Overview

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| Quantity: | 1 mg |
| Target: | DPH5 |
| Protein Characteristics: | AA 1-285 |
| Origin: | Human |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This DPH5 protein is labelled with His tag. |

## Product Details

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| Purpose: | Custom-made recombinant DPH5 Protein expressed in mammalian cells. |
| Sequence: | MLYLIGLGLG DAKDITVKGL EVVRRCSRVY LEAYTSVLTV GKEALEEFYG RKLVVADREE VEQEADNILK DADISDVAFL VVGDPFGATT HSDLVLRATK LGIPYRVIHN ASIMNAVGCC GLQLYKFGET VSIVFWTDTW RPESFFDKVK KNRQNGMHTL CLLDIKVKEQ SLENLIKGRK IYEPPRYMSV NQAAQQLLEI VQNQRIRGEE PAVTEETLCV GLARVGADDQ KIAAGTLRQM CTVDLGEPLH SLIITGGSIH PMEMEMLSLF SIPENSSESQ SINGL **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: | DPH5 |
| Alternative Name: | DPH5 (DPH5 Products) |
| Background: | Diphthine methyl ester synthase (EC 2.1.1.314) (Diphthamide biosynthesis methyltransferase),FUNCTION: S-adenosyl-L-methionine-dependent methyltransferase that catalyzes four methylations of the modified target histidine residue in translation elongation factor 2 (EF-2), to form an intermediate called diphthine methyl ester. The four successive methylation reactions represent the second step of diphthamide biosynthesis. {ECO:0000250\|UniProtKB:P32469, ECO:0000269\|PubMed:23486472}. |
| Molecular Weight: | 31.7 kDa |
| UniProt: | Q9H2P9 |
| Pathways: | SARS-CoV-2 Protein Interactome |

## 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. |

## Application Details

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| 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 |

 