Datasheet for ABIN7556814

# DOK1 Protein (AA 1-482) (His tag)

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## Overview

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| Quantity: | 1 mg |
| Target: | DOK1 |
| Protein Characteristics: | AA 1-482 |
| Origin: | Mouse |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This DOK1 protein is labelled with His tag. |

## Product Details

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| Purpose: | Custom-made recombinant Dok1 Protein expressed in mammalian cells. |
| Sequence: | MDGAVMEGPL FLQSQRFGTK RWRKTWAVLY PASPHGVARL EFFDHKGSSS RGGRGGSRRL DCKMIRLAEC VSVVPVTVES PPEPGAVAFR LDTAQRSHLL AADAVSSTAW VQTLCRTAFP KGGWALAQTE NQPKFSALEM LENSLYSPTW EGSQFWVTSQ KTEASERCGL QGSYILRVEA EKLTLLTLGA QSQILEPLLF WPYTLLRRYG RDKVMFSFEA GRRCPSGPGT FTFQTSQGND IFQAVEAAIQ QQKAQGKVGQ AQDILRTDSH DGETEGKTVP PPVPQDPLGS PPALYAEPLD SLRIPPGPSQ DSVYSDPLGS TPAGAGEGVH SKKPLYWDLY GHVQQQLLKT KLTDSKEDPI YDEPEGLAPA PPRGLYDLPQ EPRDAWWCQA RLKEEGYELP YNPATDDYAV PPPRSPKPAP APKPQGLILP ESGTTRGSGS KGFSSDTALY SQVQKSGTSG AWDCGLSKVG NDRAGVKSEG ST **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 |

## Product Details

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| | isoform, please contact us regarding an individual offer. |
| Characteristics: | Key Benefits:<br>• Made to order protein - from design to production - by highly experienced protein experts.<br>• Protein expressed in mammalian cells and purified in one-step affinity chromatography<br>• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.<br>• State-of-the-art algorithm used for plasmid design (Gene synthesis).<br><br>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.<br><br>If you are not interested in a full length protein, please contact us for individual protein fragments.<br><br>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. |
| 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: | DOK1 |
| Alternative Name: | Dok1 (DOK1 Products) |
| Background: | Docking protein 1 (Downstream of tyrosine kinase 1) (p62(dok)),FUNCTION: DOK proteins are enzymatically inert adaptor or scaffolding proteins. They provide a docking platform for the assembly of multimolecular signaling complexes. DOK1 appears to be a negative regulator of the insulin signaling pathway. Modulates integrin activation by competing with talin for the same binding site on ITGB3 (By similarity). {ECO:0000250}. |
| Molecular Weight: | 52.5 kDa |
| UniProt: | P97465 |

## 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 |

 