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Datasheet for ABIN1880614

GALK2 Protein (AA 1-458) (His tag)

Overview

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| Quantity: | 50 µg |
| Target: | GALK2 |
| Protein Characteristics: | AA 1-458 |
| Origin: | Human |
| Source: | Human Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This GALK2 protein is labelled with His tag. |

Product Details

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| Purpose: | Recombinant Human N-Acetylgalactosamine kinase/GALK2 (C-6His) |
| Sequence: | <p>MATESPATRR VQVAEHPRLL KLKEMFNSKF GSIPKFYVRA PGRVNIIEGH IDYCGYSVLP MAVEQDVLIA VEPVKTYALQ LANTNPLYPD FSTSANNIQI DKTKPLWHNY FLCGLKGIQE HFGLSNLTGM NCLVDGNIPP SSSLSSSSAL VCCAGLVTLT VLGRNLSKVE LAEICAKSER YIGTEGGGMD QSISFLAEEG TAKLIEFSPL RATDVKLPSG AVFVIANSVCV EMNKAATSHF NIRVMECRLA AKLLAKYKSL QWDKVLRL EE VQAKLGISLE EMLLVTEDAL HPEPYNPEEI CRCLGISLEE LRTQILSPNT QDVLIFKLYQ RAKHVYSEAA RVLQFKKICE EAPENMVQLL GELMNQSHMS CRDMYECSCP ELDQLVDICR KFGAQGSRLT GAGWGGCTVS MVPADKLPSF LANVHKAYYQ RSDGSLAPEK QSLFATKPGG GALVLEAVD HHHHHH</p> |
| Characteristics: | Recombinant Human N-acetylgalactosamine kinase/GALK2/GK2 is produced by our mammalian expression system in human cells. The target protein is expressed with sequence (Met1-Ala458) of Human GALK2 fused with a polyhistidine tag at the C-terminus. |
| Purity: | > 95 % as determined by reducing SDS-PAGE. |

Product Details

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| Sterility: | 0.2 µm filtered |
| Endotoxin Level: | Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test |

Target Details

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| Target: | GALK2 |
| Alternative Name: | GALK2 (GALK2 Products) |
| Sub Type: | Fusionprotein |
| Background: | <p>GALK2 acts as a galactokinase when galactose is present at high concentrations. GALK2 may be involved in a salvage pathway for the reutilization of free GalNAc derived from the degradation of complex carbohydrates. GALK2 has been reported to participate in pathways , such as Amino sugar and nucleotide sugar metabolism, Galactose metabolism and Metabolic pathways.</p> <p>Alternative Names: N-acetylgalactosamine kinase, also known as GalNAc kinase, Galactokinase 2, GALK2 and GK2, is a member of the GHMP kinase family and GalK subfamily.</p> |
| Molecular Weight: | 51.4 kDa |
| UniProt: | Q01415 |

Application Details

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| Restrictions: | For Research Use only |
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Handling

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| Format: | Liquid |
| Reconstitution: | <p>It is not recommended to reconstitute to a concentration less than 100 µg/mL.</p> <p>Dissolve the lyophilized protein in ddH2O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p> |
| Buffer: | Supplied as a 0.2 µm filtered solution of 20 mM PB,150 mM NaCl, pH 7.4. |
| Handling Advice: | Always centrifuge tubes before opening. Do not mix by vortex or pipetting. |
| Storage: | -80 °C |
| Storage Comment: | <p>Store at < -20°C, stable for 6 months after receipt.</p> <p>Please minimize freeze-thaw cycles.</p> |

Handling

Expiry Date: 6 months