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Datasheet for ABIN1475804

Aurora Kinase B Protein (AURKB) (AA 1-343) (His tag)

Overview

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| Quantity: | 1 mg |
| Target: | Aurora Kinase B (AURKB) |
| Protein Characteristics: | AA 1-343 |
| Origin: | Rat |
| Source: | Yeast |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This Aurora Kinase B protein is labelled with His tag. |
| Application: | ELISA |

Product Details

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| Sequence: | <p>MAQKENVYPW PYGSKTSQSG LNTLPQRVLR KEPAVTPAQA LMNRSNSQST AVPGQKLTEN</p> <p>KGATALQGSQ SRQPFTIDNF EIGRPLGKGK FGNVYLAREK KSRFIVALKI LFQSIEKEG</p> <p>VEHQLRREIE IQAHLKHPNI LQLYNYFYDQ QRIYLILEYA PRGELYKELQ KSGTFDEQRT</p> <p>ATIMEELSDA LMYCHKKKVI HRDIKPENLL LGLQGELKIA DFGWSVHAPS LRRKTMCGTL</p> <p>DYLPPEMIEG RMHNEMVDLW CIGVLCYELM VGNPPFESPS HSETYRRIVK VDLKFPSSMP</p> <p>LGAKDLISKL LKHNPQRLP LEQVSAHPWV RANSRRVLPP SAL</p> |
| Specificity: | Rattus norvegicus (Rat) |
| Characteristics: | Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalian cells or by baculovirus infection. Be aware about differences in price and lead time. |
| Purity: | > 90 % |

Target Details

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| Target: | Aurora Kinase B (AURKB) |
| Abstract: | AURKB Products |
| Background: | <p>Recommended name: Aurora kinase B.</p> <p>EC= 2.7.11.1.</p> <p>Alternative name(s): Aurora 1 Aurora- and IPL1-like midbody-associated protein 1 Aurora/IPL1-related kinase 2.</p> <p>Short name= ARK-2.</p> <p>Short name= Aurora-related kinase 2 STK-1 Serine/threonine-protein kinase 12</p> <p>Serine/threonine-protein kinase 5 Serine/threonine-protein kinase aurora-B</p> |
| UniProt: | O55099 |
| Pathways: | TCR Signaling , Cell Division Cycle , Maintenance of Protein Location , Hepatitis C , Toll-Like Receptors Cascades |

Application Details

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| Comment: | <p>The yeast protein expression system is the most economical and efficient eukaryotic system for secretion and intracellular expression. A protein expressed by the mammalian cell system is of very high-quality and close to the natural protein. But the low expression level, the high cost of medium and the culture conditions restrict the promotion of mammalian cell expression systems. The yeast protein expression system serve as a eukaryotic system integrate the advantages of the mammalian cell expression system. A protein expressed by yeast system could be modified such as glycosylation, acylation, phosphorylation and so on to ensure the native protein conformation. It can be used to produce protein material with high added value that is very close to the natural protein. Our proteins produced by yeast expression system has been used as raw materials for downstream preparation of monoclonal antibodies.</p> |
| Restrictions: | For Research Use only |

Handling

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| Format: | Lyophilized |
| Concentration: | 0.2-2 mg/mL |
| Buffer: | Tris-based buffer, 50 % glycerol |
| Handling Advice: | Repeated freezing and thawing is not recommended. Store working aliquots at 4 °C for up to one week |

Handling

Storage: -20 °C

Storage Comment: Store at -20 °C, for extended storage, conserve at -20 °C or -80 °C.