

Aurora Kinase B Recombinant Protein | AURKB recombinant protein

Aurora Kinase B, 1- 344aa, Human, His tag, E Coli

CATALOG # AAA48563	HOST E Coli	APPLICATIONS SDS-Page
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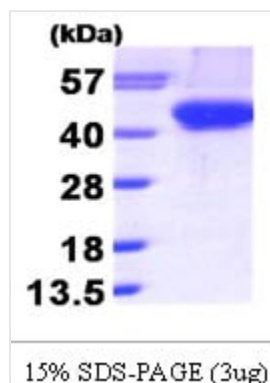
PRODUCT SYNONYMS

Aurora Kinase B; 1- 344aa; Human; His tag; E Coli; Serine/threonine-protein kinase 12; Aurora-B; AIK2; AIM1; ARK2; AurB; aurkb-sv1; aurkb-sv2; IPL1; STK12; aurkb; AuRKB; Aurora 1; STK1; STK5; Aurora and Ipl1 like midbody associated protein 1; Aurora kinase B; Aurora related kinase 2; Aurora/IPL1 related kinase 2; Serine/theronine kinase 12; Serine/threonine protein kinase 12; ; AURKB recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 90% by SDS-PAGE
Form/Format	Liquid. In 20mM Tris-HCl Buffer (pH 8.0) containing 0.5mM DTT, 20% glycerol, 0.1mM EDTA, 0.1mM EGTA, 0.1M NaCl, 0.1mM PMSF
Concentration	0.5 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MGSSHHHHH SSGLVPRGSH MAQKENSYPW PYGRQTAPSG LSTLPQRVLR KEPVTPSALV LMSRSNVQPT AAPGQKVMEN SSGTPDILTR HFTIDDFEIG RPLGKGKFGN VYLAREKKSH FIVALKVLFK SQIEKEGVEH QLRREIEIQA HLHHPNLR YNYFYDRRRI YLILEYAPRG ELYKELQKSC TFDEQRTATI MEELADALMY CHGKKVIHRD IKPENLLLGL KGELKIADFG WSVHAPSLRR KTMCGTLDYL PPEMIEGRMH NEKVDLWCIG VLCYELLVGN PPESASHNE TYRRIVKVDL KFPASVPMGA QDLISKLLRH NPSERLPLAQ VSAHPWVRAN SRRVLPPSAL QSV A
Sequence Length	344
Applicable Applications for AURKB recombinant protein	SDS-PAGE
Antigen Species	Human
Tag Information	His-tag
Preparation and Storage	Can be stored at 4 degree C short term (1-2 weeks). For long term storage, aliquot and store at -20 degree C or -70 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for AURKB recombinant protein	Aurora Kinase B is a member of a family of mitotic serine/threonine kinases. Aurora Kinase B associates with chromosomes during prophase prior to relocalizing to the spindle at anaphase. Aurora Kinase B regulates chromosome segregation through the control of microtubule-kinetochore attachment and cytokinesis. Expression of Aurora Kinase B during the G2/M phase transition is tightly coordinated with histone H3 phosphorylation, while overexpression in many kinds of cancers. Recombinant human Aurora Kinase B, fused to His-tag at N-terminus, was expressed in E Coli and purified by using conventional chromatography techniques.
Product Categories/Family for AURKB recombinant protein	Cell Cycle
References	Chen J., et al. (2003) J Biol Chem. 278 (1):486-90.; Zeitlin SG., et al. (2001) Cell Biol. 155 (7):1147-57. ;

NCBI AND UNIPROT INFORMATION

NCBI GI #	83776600
NCBI GeneID	9212
NCBI Accession #	NP_004208
NCBI GenBank Nucleotide #	NM_004217.3
UniProt Accession #	Q96GD4; O14630; O60446; O95083; Q96DV5; Q9UQ46; B4DNM4; C7G533; C7G534; C7G535; D3DTR4; J9JID1
Molecular Weight	41.4 kDa (364aa), confirmed by MALDI-TOF.
NCBI Official Full Name	aurora kinase B isoform 1
NCBI Official Synonym Full Names	aurora kinase B
NCBI Official Symbol	AURKB
NCBI Official Synonym Symbols	AIK2; AIM1; ARK2; AurB; IPL1; STK5; AIM-1; ARK-2; STK-1; STK12; PPP1R48; aurkb-sv1; aurkb-sv2
NCBI Protein Information	aurora kinase B
UniProt Protein Name	Aurora kinase B
UniProt Gene Name	AURKB
UniProt Synonym Gene Names	AIK2; AIM1; AIRK2; ARK2; STK1; STK12; STK5; AIM-1; ARK-2; Aurora-related kinase 2

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.