

Product datasheet for PH310288

Aurora B (AURKB) (NM_004217) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	AURKB MS Standard C13 and N15-labeled recombinant protein (NP_004208)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC210288
Predicted MW:	39.1 kDa
Protein Sequence:	>RC210288 representing NM_004217 Red=Cloning site Green=Tags(s) MAQKENSYPWPYGRQTAPSGLSTLPQRVLRKEPVTPSALVLMRSNVQPTAAPGQKVMENSSGTPDILTR HFTIDDFEIGRPLGKGFNGVYLAREKKSHFIVALKVLFKSQIEKEGVEHQLRREIEIQAHLHHPNILRL YNYFYDRRRIYLILEYAPRGELYKELQKSCFDEQRTATIMEELADALMYCHGKKVIHRDIKPENLLLGL KGELKIADFGWSVHAPSLRRKTMCGTLDYLPPEMIEGRMHNEKVDLWCIGVLCYELLVGNPPFESASHNE TYRRIVKVDLKFPASVPTGAQDLISKLLRHNP SERLPLAQVSAHPWVRANSRRVLPSPALQSV TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_004208</u>
RefSeq Size:	1253
RefSeq ORF:	1032
Synonyms:	AIK2; AIM-1; AIM1; ARK-2; ARK2; AurB; aurkb-sv1; aurkb-sv2; IPL1; PPP1R48; STK-1; STK5; STK12



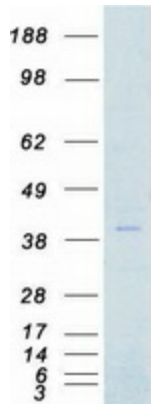
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Locus ID: 9212
UniProt ID: [Q96GD4](#)
Cytogenetics: 17p13.1

Summary: This gene encodes a member of the aurora kinase subfamily of serine/threonine kinases. The genes encoding the other two members of this subfamily are located on chromosomes 19 and 20. These kinases participate in the regulation of alignment and segregation of chromosomes during mitosis and meiosis through association with microtubules. A pseudogene of this gene is located on chromosome 8. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Sep 2015]

Protein Families: Druggable Genome, Protein Kinase, Stem cell - Pluripotency

Product images:



Coomassie blue staining of purified AURKB protein (Cat# [TP310288]). The protein was produced from HEK293T cells transfected with AURKB cDNA clone (Cat# [RC210288]) using MegaTran 2.0 (Cat# [TT210002]).