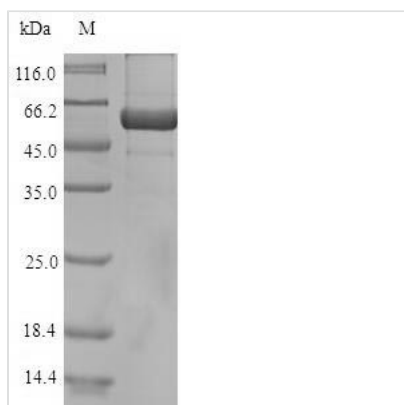




Recombinant Arabidopsis thaliana Arabidopsis thaliana (AUR1)

Product Code	CSB-EP878654DOA
Relevance	Phosphorylates specifically 'Ser-10' of histone H3 in vitro and colocalizes with phosphorylated histone H3 during mitosis. Associates with cytoskeletal structures that are necessary for cytokinesis and with the microtubule spindle. Colocalizes also with gamma-tubulin and function in microtubule organizing centers (MTOCs). In contrast with the mammalian B-type Aurora, AUR1 has no kinase activity toward 'Ser-28' of histone H3
Abbreviation	Recombinant Mouse-ear cress AUR1 protein
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q9M077
Alias	Aurora-like kinase 1
Product Type	Recombinant Protein
Immunogen Species	Arabidopsis thaliana (Mouse-ear cress)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	MAIPTETQHQEKEASDASAAAAQKRWTLSDFDIGKPLGRGKFGHVYLAREKR SNHVVALKVLFKSQLQQSQVEHQLRREVEIQSHLRHPNILRLYGYFYDQKR VY LILEYAARGELYKDLQKCKYFSERRAATYVASLARALIYCHGKHVIHRDIK PENL LIGAQGELKIADFGWSVHTFNRRRTMCGTLDYLPPEMVESVEHDASV DIWSLGLICYEFLYGVPPFEAMEHSPTYRRIVQVDLKFPPKPIISASAKDLISQMLV KESS QRLPLHKLLEHPWIVQNADPSGIYRV
Research Area	Others
Source	E.coli
Target Names	AUR1
Protein Names	Recommended name: Serine/threonine-protein kinase Aurora-1 Short name= AtAur1 EC= 2.7.11.1 Alternative name(s): Aurora-like kinase 1
Expression Region	1-294aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 10xHis-SUMO-tagged and C-terminal Myc-tagged
Mol. Weight	54.0kDa
Protein Length	Full Length
Image	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.