

Recombinant Arabidopsis Thaliana AUR1 Protein (1-294 aa), His-SUMO-Myc-tagged

Cat. No. AUR1-2173A **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Arabidopsis Thaliana (Mouse-ear cress) AUR1 Protein (1-294 aa) is produced by E. coli expression system. This protein is fused with a 10xHis-SUMO tag at the N-terminal and a Myc tag at the C-terminal. Protein Description: Full Length.
Species	Arabidopsis Thaliana
Source	E.coli
ProteinLength	1-294 aa
Description	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.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	54.0 kDa
AA Sequence	MAIPTETQHQEKEASDASAAAAQKRWTLSDFDIGKPLGRGKFGHVYLAREKRSNHV VALKVLFKSQLQQSQVEHQLRREVEIQSHLRHPNLRLYGYFYDQKRVYLILEYAARG ELYKDLQKCKYFSERRAATYVASLARALIYCHGKHVIHRDIKPENLLIGAQGELKIADF

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	GWSVHTFNRRRTMCGTLDYLPPEMVESVEHDASVDIWSLGILCYEFLYGVPPEAM EHSDTYRRIVQVDLKFPPIISASAKDLISQMLVKESSQRLPLHKLLEHPWIVQNADP SGIYRV
Purity	> 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
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 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
Concentration	A hardcopy of COA with reconstitution instruction is sent along with the products.

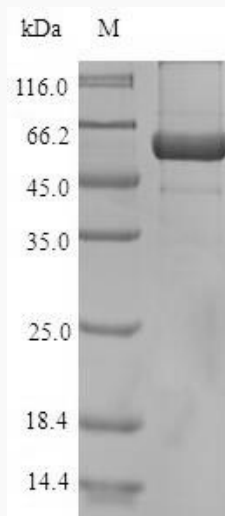
GENE INFORMATION

Gene Name	AUR1 ataurora1 [Arabidopsis thaliana (thale cress)]
Official Symbol	AUR1
Synonyms	AUR1; AtAUR1; ataurora1; T16I18.40; T16I18_40;
Gene ID	829419
mRNA Refseq	NM_119436
Protein Refseq	NP_195009
UniProt ID	Q9M077

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

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