

Recombinant Mouse Cdc14a Protein, His-tagged

Cat. No. Cdc14a-714M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Cdc14a Protein (Met1-Tyr212) with His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Met1-Tyr212
Description	Predicted to enable protein serine/threonine phosphatase activity and protein tyrosine phosphatase activity. Involved in sensory perception of sound. Located in kinociliary basal body and stereocilium tip. Is expressed in several structures, including alimentary system; brain; cardiovascular system; genitourinary system; and sensory organ. Used to study autosomal recessive nonsyndromic deafness 32. Human ortholog(s) of this gene implicated in autosomal recessive nonsyndromic deafness 32. Orthologous to human CDC14A (cell division cycle 14A).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 28.2 kDa; Accurate Molecular Mass: 28 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.
GENE INFORMATION	
Gene Name	Cdc14a CDC14 cell division cycle 14 homolog A (S. cerevisiae) [Mus musculus (house mouse)]
Official Symbol	Cdc14a
Synonyms	CDC14A; CDC14 cell division cycle 14 homolog A (S. cerevisiae); dual specificity protein phosphatase CDC14A; Cdc14; CDC14A2; CDC14a1; A830059A17Rik;
Gene ID	229776
mRNA Refseq	NM_001080818
Protein Refseq	NP_001074287
UniProt ID	Q6GQT0