

## Recombinant Mouse LOXL4 Protein (1-196 aa), His-tagged

**Cat. No.** CMPK1-2002M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                        |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Mouse LOXL4 Protein (1-196 aa) is produced by E. coli expression system. This protein is fused with a 6xHis tag at the N-terminal. Research Area: Epigenetics and Nuclear Signalingn. Protein Description: Full Length.                                                    |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                                  |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                 |
| <b>ProteinLength</b>    | 1-196 aa                                                                                                                                                                                                                                                                               |
| <b>Description</b>      | Catalyzes the phosphorylation of pyrimidine nucleoside monophosphates at the expense of ATP. Plays an important role in de novo pyrimidine nucleotide biosynthesis. Has preference for UMP and CMP as phosphate acceptors. Also displays broad nucleoside diphosphate kinase activity. |
| <b>Form</b>             | Tris-based buffer,50% glycerol                                                                                                                                                                                                                                                         |
| <b>Molecular Mass</b>   | 26.2 kDa                                                                                                                                                                                                                                                                               |
| <b>AA Sequence</b>      | MKPLVVFVLGGPGAGKGTQCARIVEKYGYTHLSAGELLRDERKNPDSQYGELIEKYI<br>KEGKIVPVEITISLLKREMDQTMAANAQKNKFLIDGFPRNQDNLQGWNKTMDGKAD<br>VSFVLFFDCNNEICIERCLERGKSSGRSDDNRESLEKRIQTYLESTKPIIDL YEEMGKV<br>KKIDASKSVDEVFGGEVVKIFDKEG                                                                     |
| <b>Purity</b>           | > 90% as determined by SDS-PAGE.                                                                                                                                                                                                                                                       |

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|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Notes</b>         | Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.                                                                                                                                                                                                        |
| <b>Storage</b>       | 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. |
| <b>Concentration</b> | A hardcopy of COA with reconstitution instruction is sent along with the products.                                                                                                                                                                                                                                  |

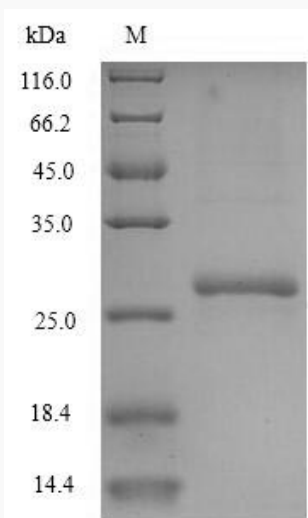
## GENE INFORMATION

|                        |                                                                                               |
|------------------------|-----------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | Cmpk1 cytidine monophosphate (UMP-CMP) kinase 1 [ Mus musculus (house mouse) ]                |
| <b>Official Symbol</b> | CMPK1                                                                                         |
| <b>Synonyms</b>        | Cmpk1; CK; Cmpk; UMP-CMPk; 0610011D08Rik;                                                     |
| <b>Gene ID</b>         | <a href="https://www.ncbi.nlm.nih.gov/gene/66588">https://www.ncbi.nlm.nih.gov/gene/66588</a> |
| <b>mRNA Refseq</b>     | NM_025647                                                                                     |
| <b>Protein Refseq</b>  | NP_079923                                                                                     |
| <b>UniProt ID</b>      | Q9DBP5                                                                                        |

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

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