

## Recombinant Mouse Tesk2 Protein, His-tagged

**Cat. No.** Tesk2-2122M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Mouse Tesk2 Protein (Asp58-Met313) with N-His tag was expressed in E. coli.                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>ProteinLength</b>    | Asp58-Met313                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Description</b>      | Predicted to enable protein serine/threonine kinase activity. Predicted to be involved in actin cytoskeleton organization; focal adhesion assembly; and protein phosphorylation. Predicted to act upstream of or within phosphorylation. Predicted to be located in nuclear body. Predicted to be active in cytoplasm and nucleus. Is expressed in several structures, including alimentary system; genitourinary system; integumental system; nervous system; and sensory organ. Orthologous to human TESK2 (testis associated actin remodelling kinase 2). |
| <b>Form</b>             | Freeze-dried powder                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Molecular Mass</b>   | Predicted Molecular Mass: 32.8 kDa<br>Accurate Molecular Mass: 33 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Purity</b>           | > 95%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Applications</b>     | Positive Control; Immunogen; SDS-PAGE; WB.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

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|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Stability</b>      | 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. |
| <b>Storage</b>        | Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.                                                                                                                                                                                                                 |
| <b>Storage Buffer</b> | PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.                                                                                                                                                                                                                                                                      |
| <b>Reconstitution</b> | Reconstitute in PBS or others.                                                                                                                                                                                                                                                                                                               |

## GENE INFORMATION

|                        |                                                                                                                            |
|------------------------|----------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | Tesk2 testis-specific kinase 2 [ Mus musculus (house mouse) ]                                                              |
| <b>Official Symbol</b> | Tesk2                                                                                                                      |
| <b>Synonyms</b>        | TESK2; testis-specific kinase 2; dual specificity testis-specific protein kinase 2; testicular protein kinase 2; MGC29168; |
| <b>Gene ID</b>         | 230661                                                                                                                     |
| <b>mRNA Refseq</b>     | NM_146151                                                                                                                  |
| <b>Protein Refseq</b>  | NP_666263                                                                                                                  |
| <b>UniProt ID</b>      | Q8VCT9                                                                                                                     |

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