

## Recombinant Mouse KRT19 Protein, His-tagged

**Cat. No.** KRT19-67M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Mouse KRT19 Protein, fused to His-tag, was expressed in E. coli.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Description</b>      | The protein encoded by this gene is a member of the keratin family. The keratins are intermediate filament proteins responsible for the structural integrity of epithelial cells and are subdivided into cytokeratins and hair keratins. The type I cytokeratins consist of acidic proteins which are arranged in pairs of heterotypic keratin chains. Unlike its related family members, this smallest known acidic cytokeratin is not paired with a basic cytokeratin in epithelial cells. It is specifically expressed in the periderm, the transiently superficial layer that envelopes the developing epidermis. Two transcript variants encoding different isoforms have been found for this gene. |
| <b>Form</b>             | 20mM Tris-HCl buffer (pH 8.0) containing 0.4M UREA, 10% glycerol.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Molecular Mass</b>   | 45.5 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>AA Sequence</b>      | MHHHHHMTSYSYRQTSAMSSFGGTGGGSVRIGSGGVFRAPSIHGGSGGRGVSV<br>SSTRFVTSSSGSYGGVRGGSFSGTLAVSDGLLSGNEKITMQNLNDRLASYLDKVRA<br>LEQANGELEVKIRDWYQKQGPGPSRDYNHYFKTIEDLRDKILGATIDNSKIVLQIDNA<br>RLAADDFTKFKFETEHALRLSVEADINGLRRVLDELTLARTDLEMQIESLKEELAYLKK<br>NHEEEITALRSQVGGQVSVEVDSTPGVDLAKILSEMRSQYEIMAEKNRKDAEATYLA<br>RIEELNTQVAVHSEIQISKTEVTDLRRTLQGLEIELQSQLSMKAALEGTLAETEAR                                                                                                                                                                                                                                                                                                                                  |

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GVQLSQIQSVISGFEAQLSDVRADIERQNQEYKQLMDIKSRLEQEIATYRSLLLEGQEA  
HYNNLPTPKAI

**Purity** >90%

**Storage** Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

**Concentration** 0.38 mg/ml

## GENE INFORMATION

**Gene Name** Krt19 keratin 19 [ *Mus musculus* (house mouse) ]

**Official Symbol** [KRT19](#)

**Synonyms** K19; CK-19; EndoC; Krt1-19; AI663979; Krt-1.19

**Gene ID** [16669](#)

**mRNA Refseq** [NM\\_008471](#)

**Protein Refseq** [NP\\_032497](#)

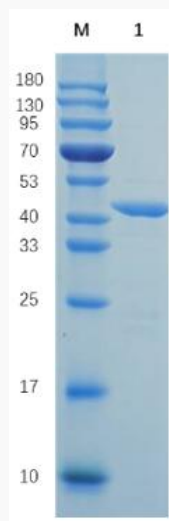
**UniProt ID** [Q8HXV2](#)

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## SDS-PAGE



Reducing 12% SDS-PAGE analysis profile of purified krt19 (CBB stained).

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