

Recombinant Mouse Krt19 protein, His-tagged

Cat. No. Krt19-237M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Krt19 protein(NP_001300892.1), fused to His-tag, was expressed in E. coli.
Species	Mouse
Source	E.coli
Description	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.
Form	20mM Tris-HCl buffer (pH 8.0) containing 0.4M UREA, 10% glycerol
Molecular Mass	The protein has a calculated MW of 45.5 kDa.
AA Sequence	MHHHHHMTSYSYRQTSAMSSFGGTGGGSVRIGSGGVFRAPSIHGGSGGRGVSV SSTRFVTSSSGSYGGVRGGSFSGTLAVSDGLLSGNEKITMQNLNDRLASYLDKVRA LEQANGELEVKIRDWYQKQGPGPSRDYNHYFKTIEDLRDKILGATIDNSKIVLQIDNA RLAADDFFRTKFETEHALRLSVEADINGLRRVLDELTLARTDLEMQIESLKEELAYLKK NHEEEITALRSQVGGQVSVEVDSTPGVDLAKILSEMRSQYEIMAEKNRKDAEATYLA

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RIEELNTQVAVHSEIQISKTEVTDLRRTLQGLEIELQSQLSMKAALEGTLAETEARY
GVQLSQIQSVISGFEAQLSDVRADIERQNQEYKQLMDIKSRLEQEIATYRSLLLEGQEA
HYNNLPTPKAI

Purity 90 by SDS-PAGE

Storage Store it under sterile conditions at -20 to -80°C. 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 End; K19; CK-19; EndoC; Krt1-1; Krt-1.1; Krt1-19; A1663979; Krt-1.19

Gene ID [16669](#)

mRNA Refseq [NM_001313963.1](#)

Protein Refseq [NP_001300892.1](#)

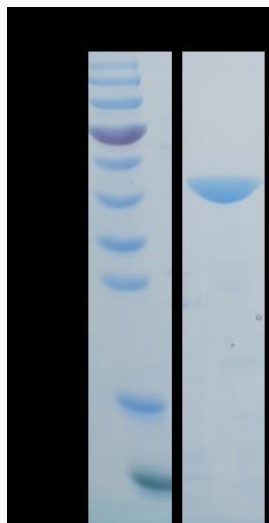
UniProt ID [P19001](#)

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**SDS-PAGE of Krt19-
237M**



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