

Recombinant Mouse Krt19 protein, His-tagged

Cat. No. Krt19-5852M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Krt19 aa. (Met1~Ile403 (Accession # P19001)) fused with N-terminal His tag was produced in E. coli cells.
Species	Mouse
Source	E.coli
ProteinLength	Met1~Ile403
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 envelops the developing epidermis. Two transcript variants encoding different isoforms have been found for this gene.
Form	Freeze-dried powder
Molecular Mass	46 kDa as determined by SDS-PAGE reducing conditions
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	>95%

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Characteristic	The isoelectric point is 5.6.
Applications	SDS-PAGE; WB; ELISA; IP.
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°C 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°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as liquid form in Phosphate buffered saline(PBS), pH 7.4.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

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; cytokeratin 19; keratin complex 1, acidic, gene 19; keratin, type I cytoskeletal 19
Gene ID	16669
mRNA Refseq	NM_001313963.1
Protein Refseq	NP_001300892.1

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UniProt ID

P19001

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