

## Recombinant Mouse Krt10 Protein, His&GST-tagged

**Cat. No.** Krt10-1073M    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse Krt10 Protein (Asn321-Tyr561) with His&GST tag was expressed in E. coli.
<b>Species</b>	Mouse
<b>Source</b>	E.coli
<b>ProteinLength</b>	Asn321-Tyr561
<b>Description</b>	Enables cytoskeletal protein binding activity. Involved in positive regulation of epidermis development. Acts upstream of or within cellular response to calcium ion; intermediate filament organization; and keratinocyte development. Located in keratin filament. Is expressed in several structures, including alimentary system; lower urinary tract; respiratory system; sensory organ; and skin. Used to study epidermolytic hyperkeratosis. Human ortholog(s) of this gene implicated in epidermolytic hyperkeratosis. Orthologous to human KRT10 (keratin 10).
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	Predicted Molecular Mass: 53.8 kDa; Accurate Molecular Mass: 54 kDa
<b>Purity</b>	> 90%
<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>	<a href="#">Krt10 keratin 10 [ Mus musculus (house mouse) ]</a>
<b>Official Symbol</b>	<a href="#">Krt10</a>
<b>Synonyms</b>	Krt10; keratin 10; K10; K1C1; Krt1-10; Krt-1.10; D130054E02Rik; keratin, type I cytoskeletal 10; 56 kDa cytokeratin; CK-10; cytokeratin-10; epidermal keratin 10; intermediate filament protein; keratin complex 1, acidic, gene 10; keratin, type I cytoskeletal 59 kDa; suprabasal cytokeratin 10
<b>Gene ID</b>	<a href="#">16661</a>
<b>mRNA Refseq</b>	<a href="#">NM_010660</a>
<b>Protein Refseq</b>	<a href="#">NP_034790</a>
<b>UniProt ID</b>	<a href="#">P02535</a>

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