

Recombinant Mouse Krt10 Protein, His&GST-tagged

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

SPECIFICATION

Product Overview	Recombinant Mouse Krt10 Protein (Asn321-Tyr561) with His&GST tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Asn321-Tyr561
Description	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).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 53.8 kDa; Accurate Molecular Mass: 54 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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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 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.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.
GENE INFORMATION	
Gene Name	Krt10 keratin 10 [Mus musculus (house mouse)]
Official Symbol	Krt10
Synonyms	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
Gene ID	16661
mRNA Refseq	NM_010660
Protein Refseq	NP_034790
UniProt ID	P02535

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