

Recombinant Human KRT19 Protein, His-tagged

Cat. No. KRT19-1076H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human KRT19 Protein (Tyr127-Asp322) with His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Tyr127-Asp322
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. The type I cytokeratins are clustered in a region of chromosome 17q12-q21.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 26 kDa; Accurate Molecular Mass: 26 kDa
Purity	> 97%
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 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

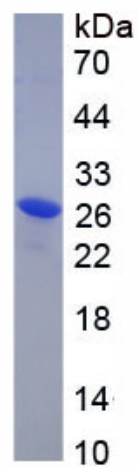
GENE INFORMATION

Gene Name	KRT19 keratin 19 [Homo sapiens (human)]
Official Symbol	KRT19
Synonyms	KRT19; keratin 19; K19; CK19; K1CS; keratin, type I cytoskeletal 19; 40-kDa keratin intermediate filament; CK-19; cytokeratin 19; keratin 19, type I; keratin, type I, 40-kd
Gene ID	3880
mRNA Refseq	NM_002276
Protein Refseq	NP_002267
MIM	148020
UniProt ID	P08727

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