

Recombinant Human KRT1 protein, His-tagged

Cat. No. KRT1-3144H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human KRT1 protein(P04264)(2-644aa), fused to N-terminal His tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	2-644aa
Form	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.
Molecular Mass	69.9 kDa
AA Sequence	SRQFSSRSGYRSGGGFSSGSAGIINYQRRTTSSSTRRSGGGGGRFSSCGGGGGS FGAGGGFGSRSLVNLGGSKSISISVARGGGRGSGFGGGYGGGGFGGGGFGGGGF GGGGIGGGGFGGFGSGGGGFGGGGFGGGGYGGGYGPVCPGGGIQEVNTINQSLLQ PLNVEIDPEIQKVKSREREQIKSLNNQFASFIDKVRFLQEQNQVLQTKWELLQQVDTS TRTHNLEPYFESFINNLRVRDQLKSDQSRDLSELKNMQDMVEDYRNKYEDEINKR TNAENEFVTIKDVDGAYMTKVDLQAKLDNLQQEIDFLTALYQAELSQQMQTQISETN VILSMDNNRSLDLDSIIAEVKAQYEDIAQSKAEAEESLYQSKYEELQITAGRHGDSVR NSKIEISELNRIQRLRSEIDNVKKQISNLQQSISDAEQRGENALKDAKNKLNDLEDAL QQAKEDLARLLRDYQELMNTKLALDLEIATYRTLLEGEESRMSGECAPNVSVSVSTS

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HTTISGGGSRGGGGGGYGSGGSSYGSGGGSYGSGGGGGGGGRGSYGSGGSSYG
 SGGGSYGSGGGGGGHGSYGSGSSSGGYRGGSGGGGGGSSGGRGSGGGSSGG
 SIGGRGSSSGGVKSSGGSSSVKFVSTTYSGVTR

Purity Greater than 85% as determined by SDS-PAGE.

Storage Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.

Reconstitution Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%.

GENE INFORMATION

Gene Name [KRT1 keratin 1 \[Homo sapiens \]](#)

Official Symbol [KRT1](#)

Synonyms KRT1; keratin 1; EHK1, epidermolytic hyperkeratosis 1; keratin, type II cytoskeletal 1; KRT1A; CK-1; cytokeratin 1; cytokeratin-1; 67 kDa cytokeratin; hair alpha protein; type-II keratin Kb1; epidermolytic hyperkeratosis 1; K1; CK1; EHK; EHK1; EPPK; NEPPK;

Gene ID [3848](#)

mRNA Refseq [NM_006121](#)

Protein Refseq [NP_006112](#)

MIM [139350](#)

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UniProt ID

P04264

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