

KRT1 Protein, Human, Recombinant (His)

General Information

Synonyms:	67 kDa cytokeratin;Cytokeratin-1 (CK-1);Hair alpha protein;Keratin, type II cytoskeletal 1; KRT1;Type-II keratin Kb1;KRTA;Keratin-1 (K1);type II cytoskeletal 1
Protein Construction:	2-644 aa
Species:	Human
Expression Host:	E. coli
Accession:	P04264
Molecular Weight:	69.9 kDa (predicted)
AA Sequence:	SRQFSSRSYRSGGGFSSGSAGIINYQRRTSSSTRSSGGGGGRFSSCGGGGGSFGAGGGFSGSRSLVNLGGSKSISVARGGGGRSGFGGGYGGGGFSGGGGFGGGGIGGGGFGGFGSGGGGFGGGGFGGGYGGGYGPVCPGGIQEVTINQSLQPLNVEIDPEIQKVKSREREQIKSLNNQFASFIDKVRFLEQQNQVLQTKWELLQQVDTSTRTHNLEPYFESFINLRRRVDQLKSDQSRLDSELKNMQDMVEDYRNKYEDEINKRTNAENEFVTIKKDDVDGAYMTKVDLQAKLDNLQQEIDFLTALYQAELSQMQTQISETNVILSMDNNSLDLDSIIAEVKAQYEDIAQKSKAEAESLYQSKYEELQITAGRHGDSVRNSKIEISELNRIQLRSEIDNVKKQISNLQQSISDAEQRGENALKDAKNKLNLDLEDALQAKEDLARLLRDYQELMNTKLALDLEIATYRTLLEGEESRMSGECAPNVS SVSTSHHTISGGGSRGGGGGGYSGGSSYSGGGSYSGGGGGGGGRGSYSGGSSYSGGGSYSGGGGGGGHGSYSGSSGGYRGGSGGGGGSSGGRGSGGGSSGGSIGGRRGSSSGGVKSSGGSSSVKVFVSTTYSVTR

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 85% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	Tris-based buffer, 50% glycerol

Preparation and Storage

Reconstitution:

Reconstitute the lyophilized protein in distilled water. The product concentration should not be less than 100 μg/ml. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

May regulate the activity of kinases such as PKC and SRC via binding to integrin beta-1 (ITB1) and the receptor of activated protein C kinase 1 (RACK1). In complex with C1QBP is a high affinity receptor for kininogen-1/HMWK.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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