

Cytokeratin 20 Recombinant Protein | KRT20 recombinant protein

Recombinant Human Cytokeratin 20

CATALOG #
AAA38448

HOST
E Coli

PRODUCT SYNONYMS

Cytokeratin 20; Recombinant Human Cytokeratin 20; KRT20 Human; Cytokeratin 20 Human Recombinant; Keratin type I cytoskeletal 20; Cytokeratin-20; CK-20; Keratin-20; K20; Protein IT; KRT20; CD20; CK20; KRT21; MGC35423; KRT20 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 95.0% as determined by(a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
Form/Format	The protein (1mg/1ml) was lyophilized after from a sterile solution containing 30mM Tris-HCL pH-8, 9.5M urea, 2mM DDT, 2mM EDTA and 10mM methylammonium chloride. Sterile Filtered White lyophilized (freeze-dried) powder.
Sequence Length	424
Solubility	It is recommended to reconstitute the lyophilized KRT20 in sterile 18M Omega -cm H2O not less than 100 ug/ml, which can then be further diluted to other aqueous solutions.
Reconstitution	Performed by mixing equimolar amounts of cytokeratins of type I and type II at concentrations of approx. 0.5 mg/ml, both dissolved in 9.5 M urea buffer (see above). Protofilaments and filament complexes are obtained by dialyzing the resulting polypeptide solution stepwise to a concentration of 4 M urea and then to low salt condition (50 mM NaCl, 2 mM dithiothreitol, 10 mM Tris-HCl, pH 7.4). For immunization purposes, the solution can be further dialyzed against PBS (phosphate buffered saline, e.g. Dulbecco's PBS).
Preparation and Storage	Lyophilized KRT20 although stable at room temperature for 3 weeks, should be stored desiccated below -18 degree C. Upon reconstitution KRT20 should be stored at 4 degree C between 2-7 days and for future use below -18 degree C.For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please prevent freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for KRT20 recombinant protein	Description: Cytokeratin 20 Human Recombinant produced in E Coli is a single,non-glycosylated polypeptide chain having a molecular mass of 48,553 Dalton. The KRT20 is purified by proprietary chromatographic techniques. Introduction: KRT20 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. This cytokeratin is a major cellular protein of mature enterocytes and goblet cells and is specifically expressed in the gastric and intestinal mucosa. The type I cytokeratin genes are clustered in a region of chromosome 17q12-q21.
Product Categories/Family for KRT20 recombinant protein	Recombinant & Natural Proteins; Recombinant Proteins; Cytokeratin

NCBI AND UNIPROT INFORMATION

NCBI GI #	27894337
NCBI GeneID	54474
NCBI Accession #	NP_061883.1

NCBI GenBank Nucleotide #	NM_019010.2
UniProt Accession #	P35900 ; B2R6W7
Molecular Weight	48,487 Da
NCBI Official Full Name	keratin, type I cytoskeletal 20
NCBI Official Synonym Full Names	keratin 20, type I
NCBI Official Symbol	KRT20
NCBI Official Synonym Symbols	K20; CD20; CK20; CK-20; KRT21
NCBI Protein Information	keratin, type I cytoskeletal 20; cytokeratin 20; cytokeratin-20; protein IT
UniProt Protein Name	Keratin, type I cytoskeletal 20
UniProt Gene Name	KRT20
UniProt Synonym Gene Names	CK-20; K20
UniProt Entry Name	K1C20_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/krt20-recombinant-protein-e-coli/38448>