

## Product datasheet for **AR09365PU-N**

### Cytokeratin 20 Human Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Cytokeratin 20 human recombinant protein, 0.25 mg
Species:	Human
Expression Host:	E. coli
Predicted MW:	46 kDa
Concentration:	lot specific
Purity:	>95% determined by SDS gelelectrophoresis
Buffer:	Presentation State: Purified State: Lyophilised purified protein Buffer System: 30 mM Tris/HCl pH 8, 9.5 M urea, 2 mM DTT, 2 mM EDTA, 10 mM methylammonium chloride
Reconstitution Method:	Reconstitute with 175 µl distilled water (final volume 250 µl) Reconstitute with 70 µl distilled water (final volume 100 µl)
Preparation:	Lyophilised purified protein
Applications:	Protein standard in 1D and 2D SDS gelelectrophoresis. Immunoassays. Immunization. Protocol: Reconstitution to filaments is performed by mixing equimolar amounts of keratins 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).
Protein Description:	Recombinant human keratin K20 (formerly also designated cytokeratin 20).
Note:	<u>Isoelectric Point</u> pl 5.66
Storage:	Prior to reconstitution store at 2-8°C. Following reconstitution store the antibody at -20°C. Avoid repeated freezing and thawing.



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**Stability:** Shelf life: one year from despatch.

**RefSeq:** [NP\\_061883](#)

**Locus ID:** 54474

**UniProt ID:** [P35900](#)

**Cytogenetics:** 17q21.2

**Synonyms:** CD20; CK-20; CK20; K20; KRT21

**Summary:** 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. 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. [provided by RefSeq, Jul 2008]