

Product datasheet for **BA1008**

Cytokeratin 18 Bovine Protein

Product data:

Product Type:	Native Proteins
Description:	Cytokeratin 18 bovine protein, 0.25 mg
Species:	Bovine
Protein Source:	Liver
Predicted MW:	45 kDa
Concentration:	lot specific
Purity:	>95% (determined by SDS gelelectrophoresis)
Buffer:	Presentation State: Purified State: Lyophilized Buffer System: 30 mM Tris/HCl pH 8, 9M urea, 2 mM DTT, 2 mM EDTA, 10 mM Methylammonium Chloride
Reconstitution Method:	Restore with distilled water. BA1008S: 70 µl (final volume 100 µl). BA1008 : 175 µl (final volume 250 µl).
Preparation:	Lyophilized
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. Dulbeccos PBS). See References 2 and 3 for more details.
Protein Description:	Bovine keratin K18 (formerly also designated Cytokeratin 18).
Note:	Isoelectric Point: pl 5.4



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Storage:	Store at 2-8°C (lyophilized) and at -20°C (reconstituted). Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_000215
Locus ID:	3875
Cytogenetics:	12q13.13
Synonyms:	Cytokeratin-18, CK18, Keratin-18, Keratin 18, KRT18, CYK18, K18
Summary:	KRT18 encodes the type I intermediate filament chain keratin 18. Keratin 18, together with its filament partner keratin 8, are perhaps the most commonly found members of the intermediate filament gene family. They are expressed in single layer epithelial tissues of the body. Mutations in this gene have been linked to cryptogenic cirrhosis. Two transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Jul 2008]
Protein Families:	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. Dulbeccos PBS). See References 2 and 3 for more details.
Protein Pathways:	Pathogenic Escherichia coli infection

Product images: