

Product datasheet

Keratin K18, bovine, 250 µg

Short overview

Cat. No.	62004
Quantity	250 µg

Product description

Source	Bovine liver
Molecular Weight	45 kDa
Isoelectric point	pI 5.4
Purity	> 95% (determined by SDS gelelectrophoresis)
Reconstitution	Reconstitute with 175 µl distilled water (final volume 250 µl). Final solution: 30 mM Tris/HCl pH 8, 9 M urea, 2 mM DTT, 2 mM EDTA, 10 mM methylammonium chloride; Protein concentration: 1 mg/ml
Application	Protein standard in 1D and 2D SDS gelelectrophoresis, immunoassays and immunization
Synonym	Cytokeratin 18
Storage	Lyophilized at 2-8°C; reconstituted at -20°C (avoid freeze/thaw cycles)
Intended use	Research use only

Background

Protein standard for immunoblotting, immunization and immunoassays. 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).- Hatzfeld M. and Franke W.W. (1985). J. Cell Biol. 101, 1826-1841- Hatzfeld M. et al. (1987). J. Mol. Biol. 197, 237-255

Product images



Keratin K18, bovine, 250 µg