

Product datasheet

Keratin K18, human recombinant, 250 µg

Short overview

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| Cat. No. | 62017 |
| Quantity | 250 µg |

Product description

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|--------------------------|---|
| Source | Human recombinant, produced in E. coli |
| Molecular Weight | 45 kDa |
| Isoelectric point | pI 5.7 |
| 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, 9.5 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

Human recombinant Keratin K18 for use in immunoblotting and ELISA. 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



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