

# Product datasheet

## Keratin K18, human recombinant, 250 µg

### Short overview

|                 |        |
|-----------------|--------|
| <b>Cat. No.</b> | 62017  |
| <b>Quantity</b> | 250 µg |

### Product description

|                          |   |
|--------------------------|---|
| <b>Source</b>            | Human recombinant, produced in E. coli  |
| <b>Molecular Weight</b>  | 45 kDa  |
| <b>Isoelectric point</b> | pI 5.7  |
| <b>Purity</b>            | > 95% (determined by SDS gelelectrophoresis)  |
| <b>Reconstitution</b>    | 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 |
| <b>Application</b>       | Protein standard in 1D and 2D SDS gelelectrophoresis, immunoassays and immunization   |
| <b>Synonym</b>           | Cytokeratin 18  |
| <b>Storage</b>           | Lyophilized at 2-8°C; reconstituted at -20°C (avoid freeze/thaw cycles)   |
| <b>Intended use</b>      | 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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