Product datasheet

Keratin K8, human recombinant, 250 µg

Short overview

Cat. No.	62013
Quantity	250 µg

Product description

Source	Human recombinant, produced in E. coli
Molecular Weight	52 kDa
Isoelectric point	pI 6.1
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
Synomym	Cytokeratin 8
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

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References

Publication	Species	Application
Hofmann, I. & Franke, W. W. Heterotypic interactions and filament assembly of type I and type II cytokemtins In vitroâ€¯: viscometry and determlnatlons of relative affinities. 132, 122â€“132 (1997).		