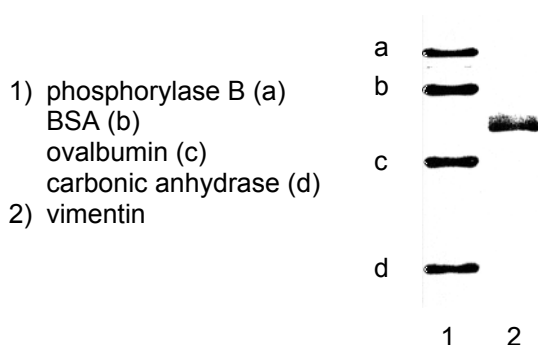


Standard Vimentin (Bovine)



Description	Bovine vimentin
Molecular Weight	57,000
Source	Bovine lens
Purity	> 98% (determined by SDS gelelectrophoresis)
Application	Protein standard in 1D and 2D SDS gelelectrophoresis Immunoassays Immunization
Isoelectric Point	pI 5.3
Storage	At 2-8°C (lyoph.); at -20°C (reconstituted)
Reconstitution	Reconstitute with 200 µl distilled water (final volume 250 µl) Reconstitute with 80 µl distilled water (final volume 100 µl) Final solution: 10 mM sodium phosphate pH 7.5, 6M urea, 2 mM DTT, 1 mM EDTA, 10 mM methylammonium chloride; protein concentration: 1 mg/ml (Bradford)



Reference:

Bloemendal H, Willemsen M, Groenewoud G and Oomen P: Isolation of the intermediate filament protein vimentin by chromatofocusing. FEBS 180, 2191 ff (1985)
Franke WW, Denk H, Kalt R and Schmid E: Biochemical and immunological identification of cytokeratin proteins present in hepatocytes and mammalian liver tissue. Exp Cell Res 131, 239 ff (1981)

Reconstitution to filaments: after vimentin is dissolved in 6 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 sodium phosphate, 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

Cat. No.	62011	250 µg
	62211	100 µg