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:
- (250 µg): Reconstitute with 200 µl distilled water (final volume 250 µl)
- (100 µg): 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)

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).

Reference:

Reconstitution to filaments:

Cat. No. 62011 250 µg
62211 100 µg