VIM
Recombinant Human Vimentin

Catalog No.	CRV020A CRV020B CRV020C	**Quantity:**	2 µg 10 µg 1.0 mg

Gene ID: 7431

Description: Recombinant human Vimentin

Source: *E. coli*

Molecular Weight: 53.7 kDa (calculated from sequence); 57.0 kDa (determined by SDS gel electrophoresis)

Formulation: Lyophilized from a sterile filtered solution containing 30 mM Tris-HCl, pH 8 + 9.5 M urea + 2 mM EDTA + 2 mM DTT + 10 mM methylammonium chloride

Purity: > 95% as determined by SDS gel electrophoresis

Endotoxin Level: < 0.1 ng/µg of VIM

Reconstitution: **Centrifuge vial prior to opening**. First add sterile distilled water to the vial to fully solubilize the protein to a concentration not less than 100 µg/ml. After complete solubilization of the protein, it can be further diluted to other aqueous solutions.

Reconstitution to Filaments: After vimentin is dissolved, protofilaments and filament complexes are obtained by dialyzing the resulting polypeptide solution stepwise to a concentration of 4M 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.

Storage & Stability: Store lyophilized protein at -20°C to -80°C. Reconstituted protein is stable for 1 week at 2-4°C. For long term storage, aliquot and store at -20°C to -80°C with a carrier protein (0.1% HSA or BSA) as a stabilizer. **Please note that the addition of any carrier protein into this product may produce unwanted endotoxin. This depends upon the particular application employed. Avoid repeated freeze-thaw cycles.**

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