



Recombinant Protein Technical Manual

Recombinant Human Profilin-2/PFN2 Protein

RPES2709

Product Data:

Product SKU: RPES2709

Size: 10µg

Species: Human

Expression host: E. coli

Uniprot: P35080

Protein Information:

Molecular Mass: 15.0 kDa

AP Molecular Mass: 14 kDa

Tag:

Bio-activity:

Purity: > 95 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Formulation: Lyophilized from a 0.2 µm filtered solution of 20mM Tris, 150mM NaCl, pH 8.0.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Profilin-II; PFN2; Profilin-2; PFL

Immunogen Information:

Sequence: Met 1-Phe140

Background:

Profilin-II (PFN2) is ubiquitous protein which belongs to the profilin family. PFN2 binds to actin, then affects the structure of the cytoskeleton. At high concentrations, profiling prevents the polymerization of actin, while increases that at low concentrations. PFN2 is a ubiquitous actin monomer-binding protein. It regulates actin polymerization in response to extra cellular signals. PFN2 binds to PIP2; it inhibits the formation of IP3 and DG.