

Recombinant Human Profilin-2/PFN2 Protein

Catalog No. PKSH032935

Note: Centrifuge before opening to ensure complete recovery of vial contents.

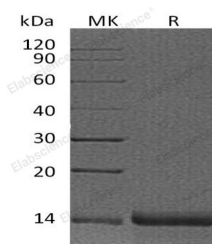
Description

Synonyms	Profilin-II;PFN2;Profilin-2;PFL
Species	Human
Expression Host	E.coli
Sequence	Met 1-Phe140
Accession	P35080
Calculated Molecular Weight	15.0 kDa
Observed molecular weight	14 kDa
Tag	None
Bioactivity	Not validated for activity

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	Generally, 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-HCl, 150mM NaCl, pH 8.0. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

Background

Profilin-II (PFN2) is ubiquitous protein which belongs to the profilin family. PFN2 binds to actin, then affects the

For Research Use Only

structure of the cytoskeleton. At high concentrations, profilin 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.