Recombinant Human Cyclophilin D/PPID Protein (His Tag)

Catalog Number: PKSH032874

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

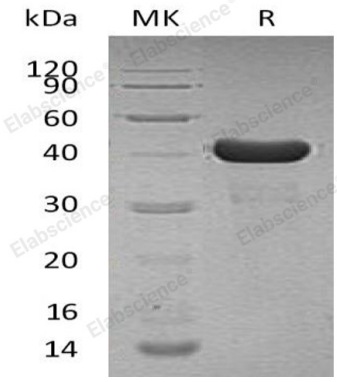
Description

Species	Human
Source	E.coli-derived Human Cyclophilin D;PPID protein Met 1-Ala370, with an N-terminal His & C-terminal His
Calculated MW	43.9 kDa
Observed MW	40 kDa
Accession	Q08752
Bio-activity	Not validated for activity

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Concentration	Subject to label value.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.
Storage	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
Shipping	This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < - 20°C.
Formulation	Supplied as a 0.2 μm filtered solution of PBS, 10% Glycerol, pH 7.4.

Data



> 95 % as determined by reducing SDS-PAGE.

Background

Peptidyl-Prolyl Cis-Trans Isomerase D (PPID) belongs to the cyclophilin-type PPIase family and PPIase D subfamily. PPID is widely expressed and it contains one PPIase cyclophilin-type domain and three TPR repeats. PPID catalyzes the cis-trans isomerization of proline imidic peptide bonds in oligopeptides and accelerates the folding of proteins. PPID can bind to the immunosuppressant cyclosporine A and is known that its overexpression suppresses the apoptosis in cancer cells.