

PDZK1 Protein, Mouse, Recombinant (His)

General Information

Synonyms:	Cap70;Sodium-hydrogen exchanger regulatory factor 3;Nherf3;Na/Pi cotransporter C-terminal-associated protein 1 (NaPi-Cap1);NHERF-3;PDZ domain-containing protein 1;CFTR-associated protein of 70 kDa;Pdzk1;Na(+)/H(+) exchange regulatory cofactor NHE-RF3;Na(+)/H(+) exchanger regulatory factor 3
Protein Construction:	1-519 aa
Species:	Mouse
Expression Host:	HEK293 Cells
Accession:	Q9JIL4
Molecular Weight:	60.0 kDa (Predicted)
AA Sequence:	MASTFNPRECKLSKQEGQNYGFFLRIEKDTDGHLIRVIEEGSPA EKAGLLDGDRLRINGVFVDKEEHAQVVELVRKSGNSVTLLVLDGDSYEKAVKNQVDLKELDQSQREAA LNDKKPGPMNGAVEPCAQPRLCYLVKEGNSFGFSLKTIQGGKGVYLT DIMPQGVAMKAGVLADDHLIEVNGENVENASHEEVVEKVTKSGSRIMFLLVDKETAR CHSEQKTQFKRETASLKLPHQPRVVVIKKSNGYGFYLRAGPEQKGQIIKDIEPGSPA EAAGLKNNDLVVAVNGKSVEALDHDG VVEMIRKGGDQTLLVLDKEAESIYSLARFSP LLYCQSQELPNGSVKEGPAPIPAPLEATGSEPTEDAEGHKPKLC RLLKEDDSYGFHLNAIRGQPGSFVKEVQQGGPADKAGLENEDVII EVNGENVQEEP YD RVERIKSSGKHV TLLVCGKMAYS YFQAKKIPIVSSMAEPLVAGPDEKGETSAESEHDAHPAKDR TLSTASHSS S NSEDTEM

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it.
Purity:	>90% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.

Preparation and Storage

Reconstitution:

Reconstitute the lyophilized protein in sterile deionized water. The product concentration should not be less than 100 μg/ml. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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