Human PERK Recombinant protein

Catalog Number: 530423

General Information

Gene Name Synonym

Eukaryotic translation initiation factor 2-alpha kinase 3

Protein Construction

A DNA sequence encoding the human PERK (NP_004827.4) 563-1115 aa was fused with the GST and polyhistidine tag.

Organism

Human

Expression Host

HEK293

QC Testing

Activity

Not tested.

Purity

> 90 % SDS-PAGE.

Endotoxin

<5 EU/mg

Stability

Samples are stable for up to twelve months from date of receipt at -70℃

Molecular Mass

In SDS-PAGE under reducing conditions, PERK migrates as an approximately 115 kDa band.

Formulation

50 mM Tris-HCl, 50 mM NaCl, 250 μM DTT, 100 μM EDTA,10 % glycerol, pH 7.4.

Usage Guide

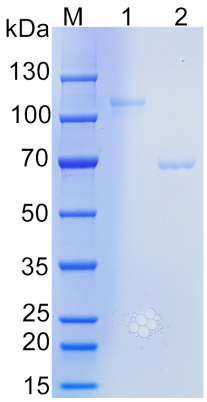
Storage

Store it under sterile conditions at -20℃ to -80℃. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

Reconstitute at 0.25 μg/μl in sterile water for short-term storage. Reconstitution with 50% glycerol solution is recommended for longer term storage (see Stability and Storage for more details). If a different concentration is needed for your purposes please adjust the reconstitution volume as required (please note: the ion concentration of the final solution will vary according to the volume used). Note: Centrifuge vial before opening. When reconstituting, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution.

SDS-PAGE



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Lane 1: PERK; Lane 2: BSA