

Human PRAK Protein

Cat. No. PRK-HB601

Description

| | |
|-------------------------|--|
| Source | Recombinant Human PRAK Protein is expressed from Baculovirus-Insect Cells with Strep-II tag at the C-terminus. It contains Met1-Gln471. |
| Accession | NP_003659.2 |
| Molecular Weight | The protein has a predicted MW of 55.57 kDa. Due to glycosylation, the protein migrates to 35-45 kDa based on Bis-Tris PAGE result. |
| Endotoxin | Less than 1EU per µg by the LAL method. |
| Purity | > 90% as determined by Bis-Tris PAGE > 95% as determined by HPLC |

Formulation and Storage

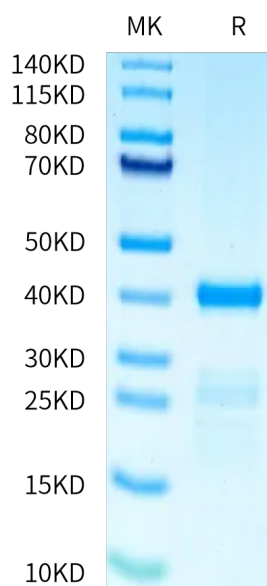
| | |
|--------------------|--|
| Formulation | Supplied as 0.22 µm filtered solution in 20mM Tris, 150mM NaCl, 2mM CaCl ₂ (pH 8.0). |
| Storage | Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles. |

Background

The p38 mitogen-activated protein kinase (MAPK) pathway plays an important role in cellular responses to inflammatory stimuli and environmental stress. p38 regulated/activated protein kinase (PRAK, also known as mitogen-activated protein kinase activated protein kinase 5 [MAPKAPK5]) functions downstream of p38alpha and p38beta in mediating the signaling of the p38 pathway.

Assay Data

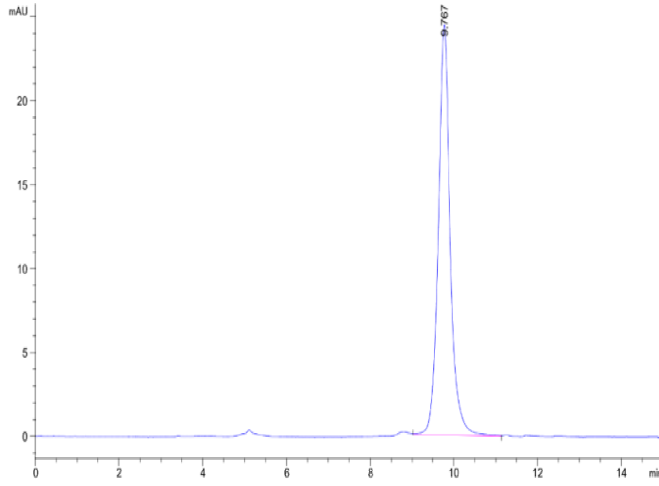
Bis-Tris PAGE



Human PRAK on Bis-Tris PAGE under reduced condition. The purity is greater than 90%.

SEC-HPLC

Assay Data



The purity of Human PRAK is greater than 95% as determined by SEC-HPLC.