

Human NRAS Protein, Ultra Low Endotoxin

Cat. No. NRS-HE101-UL

Description

Source	Recombinant Human NRAS Protein is expressed from E.coli with His tag at the N-Terminus. It contains Met1-Cys186.
Accession	P01111
Molecular Weight	The protein has a predicted MW of 22.29 kDa same as Bis-Tris PAGE result.
Endotoxin	Less than 0.01 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE

Formulation and Storage

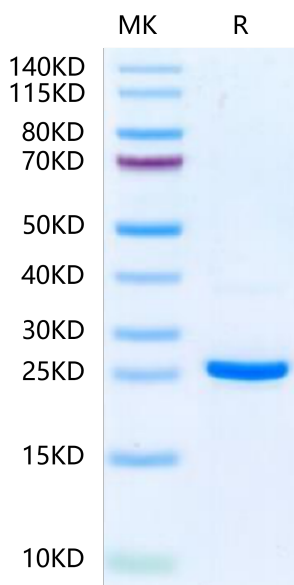
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

NRas is a key mediator of the mitogenic pathway in normal cells and in cancer cells. Its dynamics and nanoscale organization at the plasma membrane (PM) facilitate its signaling. NRas activity is mediated and regulated by its dynamic interactions with functional (Grb2, BRAF, NF1, and GPI-nucleated) clusters at the PM.

Assay Data

Bis-Tris PAGE



Human NRAS on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.