Mouse CXCL13/BCA-1 Protein

Cat. No. CXC-MM113

Description

Source	Recombinant Mouse CXCL13/BCA-1 Protein is expressed from HEK293 with His tag at the N-Terminus.
	It contains Ile22-Ala109.
Accession	O55038
Molecular Weight	The protein has a predicted MW of 11.7 kDa. Due to glycosylation, the protein migrates to 16-20 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE

Formulation and Storage

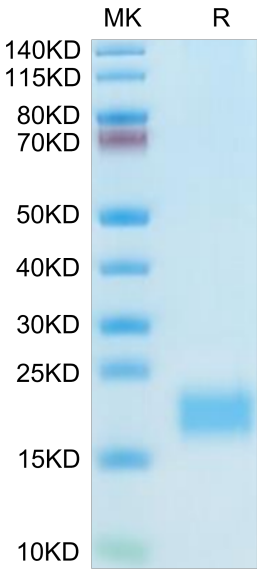
Formulation	Lyophilized from 0.22 μm filtered solution in 50mM Tris, 500mM NaCl (pH 7.5). Normally 8% mannitol is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in distilled water.
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

Recent studies have implicated chemokines in microglial activation and pathogenesis of neuropathic pain. C-X-C motif chemokine 13 (CXCL13) is a B lymphocyte chemoattractant that activates CXCR5. Using the spinal nerve ligation (SNL) model of neuropathic pain, CXCL13 was persistently upregulated in spinal cord neurons after SNL, resulting in spinal astrocyte activation via CXCR5 in mice.

Assay Data

Bis-Tris PAGE



Mouse CXCL13 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.