

Mouse CXCL13/BCA-1 Protein, Ultra Low Endotoxin

Cat. No. CXC-MM113-UL

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 0.01 EU 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	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

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%.