# CXCL13 Protein (AA 22-109) (His tag)

**2** Images

## Overview

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|---|---|
| Quantity: | 100 µg |
| Target: | CXCL13 |
| Protein Characteristics: | AA 22-109 |
| Origin: | Mouse |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This CXCL13 protein is labelled with His tag. |

## Product Details

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| Purpose: | Mouse CXCL13/BCA-1 Protein |
| Sequence: | Ile22-Ala109 |
| Characteristics: | Recombinant Mouse CXCL13/BCA-1 Protein is expressed from HEK293 with His tag at the N-Terminus.It contains Ile22-Ala109. |
| Purity: | > 95 % as determined by Tris-Bis PAGE,> 95 % as determined by HPLC |
| Sterility: | 0.22 µm filtered |
| Endotoxin Level: | Less than 1EU per µg by the LAL method. |

## Target Details

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|---|---|
| Target: | CXCL13 |
| Alternative Name: | CXCL13 (CXCL13 Products) |

## Target Details

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|---|---|
| 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. |
| Molecular Weight: | 11.7 kDa. Due to glycosylation, the protein migrates to 16-20 kDa based on Tris-Bis PAGE result. |
| UniProt: | O55038 |

## Application Details

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| Restrictions: | For Research Use only |

## Handling
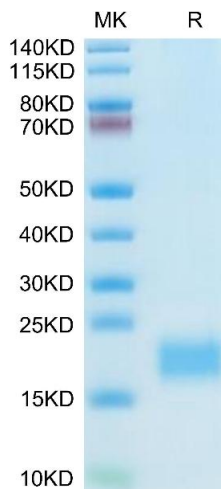
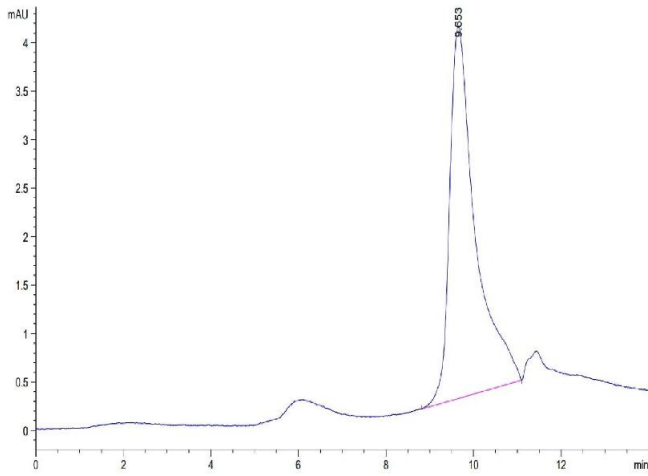| | |
|---|---|
| Format: | Liquid |
| Buffer: | Supplied as 0.22µm filtered solution in 50 mM Tris, 500 mM NaCl ( pH 7.5). |
| Storage: | -80 °C |
| Storage Comment: | Valid for 12 months from date of receipt when stored at -80°C., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles. |
| Expiry Date: | 12 months |

## Images



**SDS-PAGE**

**Image 1.** Mouse CXCL13 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

# Images



### Size-exclusion chromatography-High Pressure Liquid Chromatography

**Image 2.** The purity of Mouse CXCL13 is greater than 95 % as determined by SEC-HPLC.