

Mouse BST1 Protein

Cat. No. BST-MM101

Description

Source	Recombinant Mouse BST1 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Ala25-Ser286.
Accession	Q64277
Molecular Weight	The protein has a predicted MW of 30.7 kDa. Due to glycosylation, the protein migrates to 35-50 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 > 95% as determined by HPLC

Formulation and Storage

Formulation	Supplied as 0.22 μm filtered solution in PBS (pH 7.4).
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

BST1 overexpression conferred resistance to sphingosine in yeast. BST1 deletion produced sensitivity to exogenous D-erythro-sphingosine and phytosphingosine and intracellular accumulation of sphingosine 1-phosphate upon exposure to exogenous sphingosine. sphingoid base metabolism is similar in all eukaryotes and suggests that yeast genetics may be useful in the isolation and identification of other genes involved in sphingolipid signaling and metabolism.

Assay Data

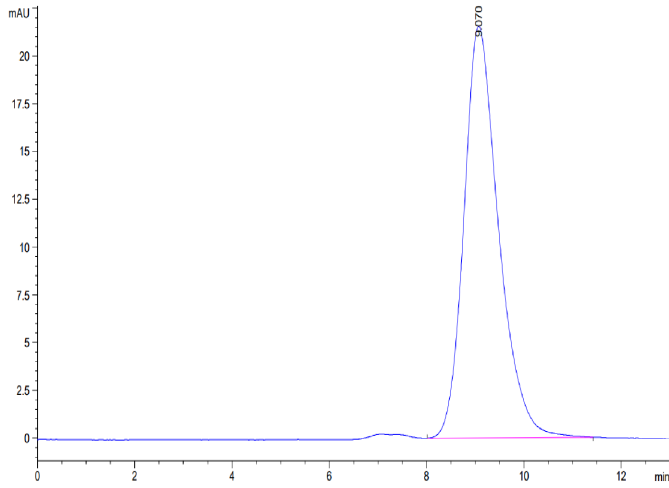
Bis-Tris PAGE



Mouse BST1 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

Assay Data



The purity of Mouse BST1 is greater than 95% as determined by SEC-HPLC.