Rev03
Update: Aug,08,2025

DATASHEET

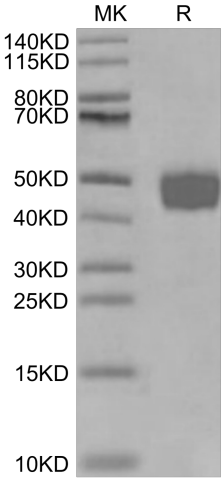
BST1, His, Cynomolgus

Cat. No.: Z04751

Product Introduction

Species	Cynomolgus
Protein Construction	BST1 (Gly26-Ala289) Accession # A0A2K5VGB5 — His N-term C-term
Purity	> 95% as determined by BisTris PAGE > 95% as determined by HPLC
Endotoxin Level	Less than 1EU per μg by the LAL method.
Expression System	HEK293
Theoretical Molecular Weight	30.99 kDa
Apparent Molecular Weight	Due to glycosylation, the protein migrates to 40-50 kDa based on Bis-Tris PAGE result.
Formulation	Lyophilized from 0.22μm filtered solution in PBS (pH 7.4).
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 & Stability	Upon receiving, the product remains stable up to 6 months at -20 °C or below. Upon reconstitution, the product should be stable for 3 months at -80 °C. Avoid repeated freeze-thaw cycles.

Examples



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

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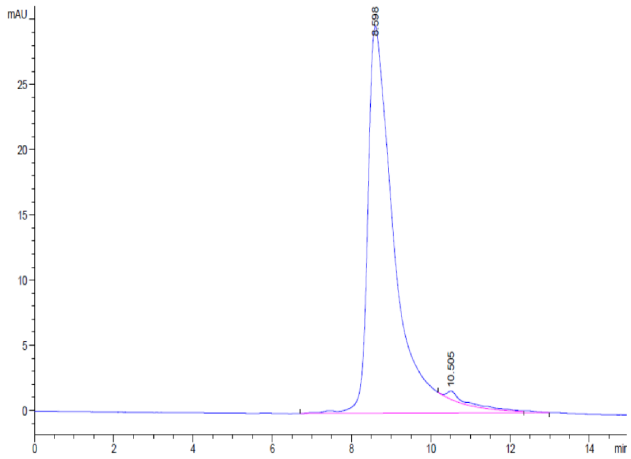

The purity of BST1, His, Cynomolgus is greater than 95% as determined by SEC-HPLC.

Background

Target 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.

Synonyms : Antigen BP3; BST-1; Bp-3; Bp3; Ly65; Bst1; BST1; CD157

For research use only. Not intended for human or animal clinical trials, therapeutic or diagnostic use.

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