

Human BPIFA1/LUNX Protein

Cat. No. BFA-HE0A1

Description

Source	Recombinant Human BPIFA1/LUNX Protein is expressed from E.coli without tag. It contains Gln20-Val256.
Accession	Q9NP55-1
Molecular Weight	The protein has a predicted MW of 24.8 kDa same as Bis-Tris PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 90% as determined by HPLC

Formulation and Storage

Formulation	Supplied as 0.22µm filtered solution in 50mM Tris, 150mM NaCl, 10% Glycerol (pH 8.5).
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

Bactericidal/permeability-increasing fold containing family A, member 1 (BPIFA1) is a secretory protein found in human upper aerodigestive tract mucosa. This innate material is secreted in mucosal fluid or found in submucosal tissue in the human soft palate, lung, uvula, and nasal cavity. BPIFA1 is a critical component of the innate immune response that prevents upper airway diseases.

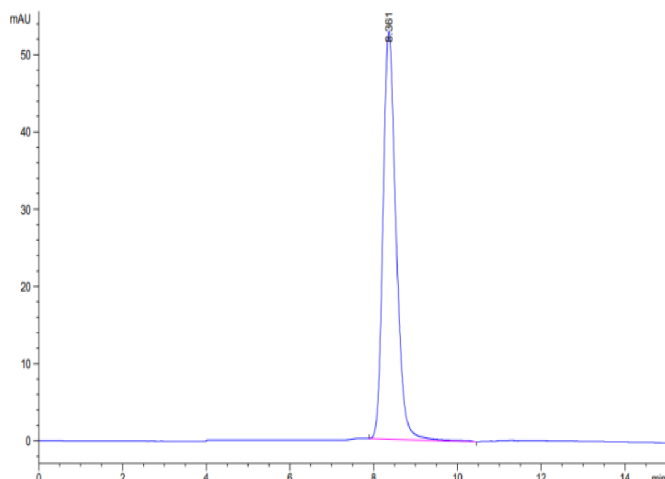
Assay Data

Bis-Tris PAGE



Human BPIFA1 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



The purity of Human BPIFA1 is greater than 90% as determined by SEC-HPLC.