

# Human BMPR1A/ALK-3 Protein

Cat. No. ALK-HM103



## Description

Source	Recombinant Human BMPR1A/ALK-3 Protein is expressed from HEK293 with His tag at the C-terminus.
	It contains Gln24-Arg152.
Accession	P36894
Molecular Weight	The protein has a predicted MW of 15.79 kDa. Due to glycosylation, the protein migrates to 27-37 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

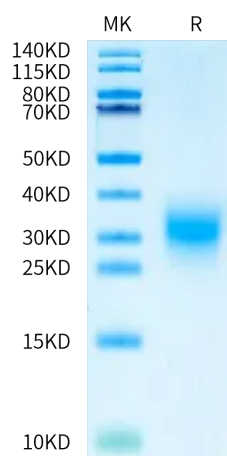
Formulation	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-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

The type IA bone morphogenetic protein receptor (Bmpr1a), encoded by 11 exons and spanning about 40 kb on chromosome 14 in mice and chromosome 10 in human (Derynck & Feng, 1997; Mishina, Hanks, Miura, Tallquist, & Behringer, 2002), is an essential receptor for BMP signaling.

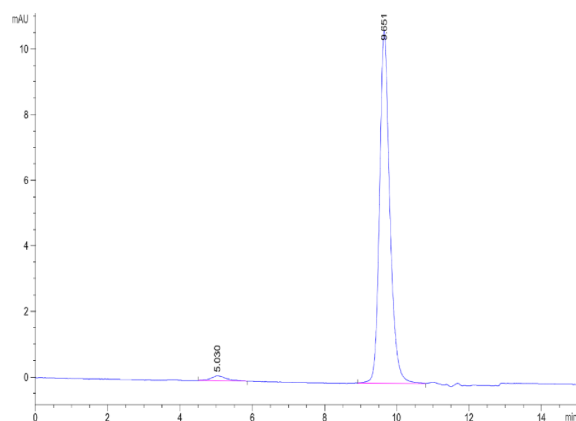
## Assay Data

### Bis-Tris PAGE



Human BMPR1A on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

### SEC-HPLC



The purity of Human BMPR1A is greater than 95% as determined by SEC-HPLC.