

Datasheet for ABIN7275052
ITGB6 Protein (AA 22-707) (His tag)



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2 Images

Overview

Quantity:	100 µg
Target:	ITGB6
Protein Characteristics:	AA 22-707
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ITGB6 protein is labelled with His tag.

Product Details

Purpose:	Human ITGB6 Protein
Sequence:	Gly22-Asn707
Characteristics:	Recombinant Human ITGB6 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Gly22-Asn707.
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

Target:	ITGB6
Alternative Name:	ITGB6 (ITGB6 Products)

Target Details

Background: ITGB6 is known to be one of the major receptor components involved in host tropism of foot-and-mouth disease (FMD) virus in cattle. A competitive PCR technique called ARMS PCR was adapted to identify a single-nucleotide polymorphism (SNP), G29A, db SNP Id: rs109075046, in the 5' untranslated region (5'UTR) of the bovine ITGB6 gene.

Molecular Weight: 75.4 kDa. Due to glycosylation, the protein migrates to 80-115 kDa based on Tris-Bis PAGE result.

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

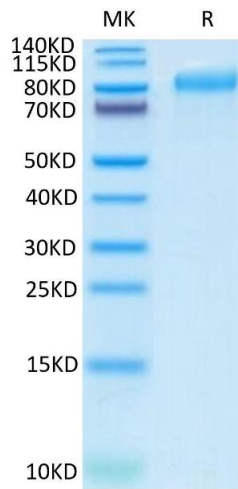
Reconstitution: Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.

Buffer: Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.

Storage: -20 °C,-80 °C

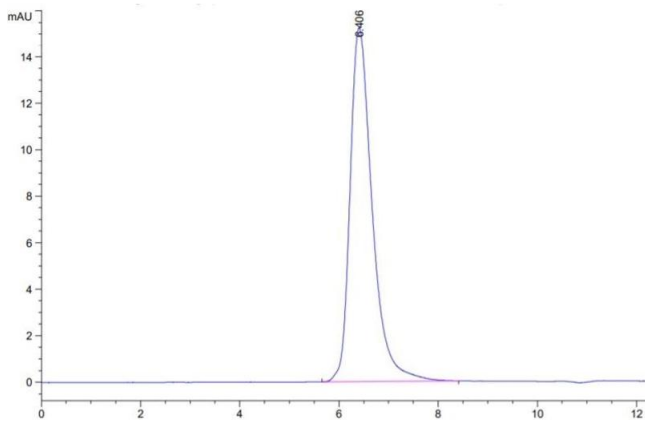
Storage Comment: -20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Expiry Date: 12 months



SDS-PAGE

Image 1. Human ITGB6 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Human ITGB6 is greater than 95 % as determined by SEC-HPLC.