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Datasheet for ABIN7275071

## ITGB6 Protein (AA 22-706) (His tag)

### 2 Images

#### Overview

Quantity:	100 µg
Target:	ITGB6
Protein Characteristics:	AA 22-706
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ITGB6 protein is labelled with His tag.

#### Product Details

Purpose:	Mouse ITGB6 Protein
Sequence:	Gly22-Asn706
Characteristics:	Recombinant Mouse ITGB6 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Gly22-Asn706.
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 ( <a href="#">ITGB6 Products</a> )

## Target Details

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**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.

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**Molecular Weight:** 75.7 kDa. Due to glycosylation, the protein migrates to 80-115 kDa based on Tris-Bis PAGE result.

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**UniProt:** [Q9Z0T9](#)

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## Application Details

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**Restrictions:** For Research Use only

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## Handling

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**Format:** Lyophilized

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

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

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**Storage:** -20 °C,-80 °C

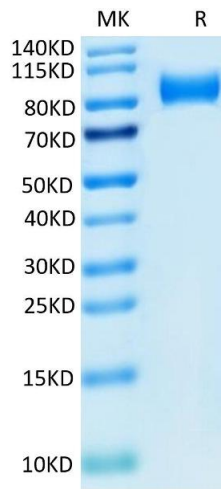
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**Storage Comment:** -20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please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

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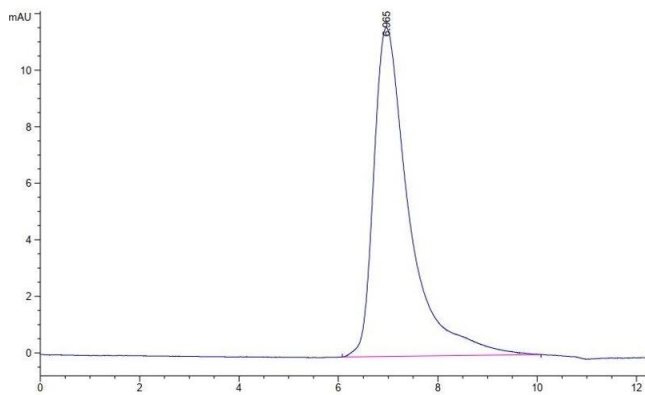
**Expiry Date:** 12 months

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### SDS-PAGE

**Image 1.** Mouse 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 Mouse ITGB6 is greater than 95 % as determined by SEC-HPLC.