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CD51/CD61 Protein (AA 31-988) (His tag)

2 Images



Overview

Quantity:	100 μg
Target:	CD51/CD61 (ITGAV/ITGB3)
Protein Characteristics:	AA 31-988
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD51/CD61 protein is labelled with His tag.

Product Details

Purpose:	Mouse Integrin alpha V beta 3 (ITGAV & ITGB3) Heterodimer Protein
Sequence:	Phe31-Val988 (ITGAV) acidic tail & Glu26-Asp717 (ITGB3) basic tail
Specificity:	Uni-Prot: P43406 (ITGAV), O54890 (ITGB3)
Characteristics:	Recombinant Mouse Integrin alpha V beta 3 (ITGAV & ITGB3) Heterodimer Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Phe31-Val988 (ITGAV) acidic tail & Glu26-Asp717 (ITGB3) basic tail.
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

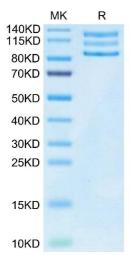
Target:	CD51/CD61 (ITGAV/ITGB3)
Alternative Name:	Integrin alpha V beta 3 (ITGAV & ITGB3) Heterodimer (ITGAV/ITGB3 Products)
Background:	ITGAV&ITGB3 binds to NRG1 (via EGF domain) and this binding is essential for NRG1-ERBB signaling. ITGAV&ITGB3 binds to FGF1 and this binding is essential for FGF1 signaling. ITGAV&ITGB3 binds to FGF2 and this binding is essential for FGF2 signaling. ITGAV&ITGB3 binds to IGF1 and this binding is essential for IGF1 signaling. ITGAV&ITGB3 binds to IGF2 and this binding is essential for IGF2 signaling.
Molecular Weight:	131.48 kDa(ITGAV)&80.80 kDa(ITGB3). Due to enzyme lysis and glycosylation, the protein migrates to 90-130 kDa based on Tris-Bis PAGE result.
UniProt:	P43406

Application Details

Restrictions: For Research Use only

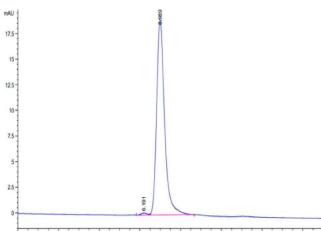
Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μ g/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. Mouse ITGAV&ITGB3 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 ITGAV&ITGB3 is greater than 95 % as determined by SEC-HPLC.