

Datasheet for ABIN6388181

Integrin beta 4 Protein (ITGB4) (AA 28-710) (His tag)[Go to Product page](#)**1** Image

Overview

Quantity:	100 µg
Target:	Integrin beta 4 (ITGB4)
Protein Characteristics:	AA 28-710
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Integrin beta 4 protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	ADPRVKFSRS ADAPAYQQGQ NQLYNELNLG RREEYDVLDK RRGDPPEMGG KPQRRKNPQE GLYNELQKDK MAEAYSEIGM KGERRRGKGH DGLYQGLSTA TKDTYDALHM QALPPRHHHH HH
Purity:	> 90 % by SDS - PAGE
Endotoxin Level:	< 1.0 EU per 1ug of protein (determined by LAL method)

Target Details

Target:	Integrin beta 4 (ITGB4)
Alternative Name:	ITGB4 (ITGB4 Products)
Background:	CD247, also known as T-cell surface glycoprotein CD3 zeta chain isoform 1, belongs to CD3Z / FCER1G family. The T cell receptor Zeta together, with alpha / beta and gamma / delta heterodimers. This Protein plays an important role in binding antigen recognition to multiple

Target Details

intracellular signaling pathways and also plays a role in assembly and expression of the TCR complex. Defects in CD247 defects can cause immune deficiencies. Immune deficiency, characterized by T cells, impaired immune responses to allogeneic antigens, tetanus toxoid and mitogen. Recombinant human CD247, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Molecular Weight: 14.1kDa (122aa) 13.5-18kDa (SDS-PAGE under reducing conditions)

NCBI Accession: [NP_932170](#)

UniProt: [P20963](#)

Pathways: [Integrin Complex](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

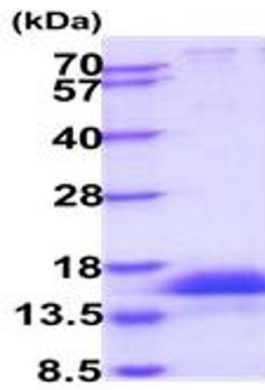
Format: Liquid

Concentration: 0.2 mg/mL

Buffer: Liquid. 20 mM Tris-HCl buffer (pH 6.8) containing 50 % glycerol, 1 mM DTT, 1 mM EDTA, 0.1M NaCl

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.



15% SDS-PAGE (3ug)

SDS-PAGE

Image 1.