

# Recombinant Rat ITGB4 Protein (28-713 aa), His-SUMO-tagged

**Cat. No.** ITGB4-2739R    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Rat ITGB4 Protein (28-713 aa) is produced by in vitro E. coli expression system. This protein is fused with a 6xHis-SUMO tag at the N-terminal. Research Area: Signal Transduction. Protein Description: Extracellular Domain.
<b>Species</b>	Rat
<b>Source</b>	E.coli
<b>ProteinLength</b>	28-713 aa
<b>Description</b>	Integrin alpha-6/beta-4 is a receptor for laminin. It plays a critical structural role in the hemidesmosome of epithelial cells. Is required for the regulation of keratinocyte polarity and motility. ITGA6:ITGB4 binds to NRG1 (via EGF domain) and this binding is essential for NRG1-ERBB signaling. ITGA6:ITGB4 binds to IGF1 and this binding is essential for IGF1 signaling.
<b>Form</b>	Tris-based buffer,50% glycerol
<b>Molecular Mass</b>	92.2 kDa
<b>AA Sequence</b>	SLTENVEEFWDKLGQGERISGNLDAPEGGFDAILQTAVCTRDIGWRADSTHLLVFSTE SAFHYEADGANVLGIMNRNDEKCHLDATGAYTQYKTQDYPSVPTLVRLAKHNIPI FAVTNYSYSYKELHKYFPVSSLGVLQEDSSNIVELLEAFYRIRSNLDIRALDSPRGL RTEVTSDTLQKTETGSFHIKRGEVGTYNVHLRAVEDIDGTHVCQLAKEDQRGNIHLK PSFSDGLRMDASVICDMCACEIQKEVQSARCHYRGDFMCGHCVCNEGWSGKTCN

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CSTGSLSDTQPCLREGEDKPCSGHGECQCGRCVCYGEGRYEGHFCEYDNFQCPR  
 TSGFLCNDNRGRCSMGECVCEPGWTGRSCDCPLSNATCIDSNGGICNGLGFCECGR  
 CHCNQRSSLYTDTTCEINYSAIRLGLCEDLRSCVQCQAWGTGEKKGRTCEEENFKV  
 KMVDELKKAEEVVEYCSFRDEDDDDCTYSYTVEGDGPSPGNSTVLVHKKKDCLPAPS

**Purity** > 85% as determined by SDS-PAGE.

**Notes** Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

**Storage** The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

**Concentration** A hardcopy of COA will be sent along with the products. Please refer to it for detailed information.

## GENE INFORMATION

**Gene Name** [Itgb4 integrin, beta 4 \[ Rattus norvegicus \]](#)

**Official Symbol** [ITGB4](#)

**Synonyms** ITGB4; integrin, beta 4; integrin beta-4; GP150;

**Gene ID** [25724](#)

**mRNA Refseq** [NM\\_013180](#)

**Protein Refseq** [NP\\_037312](#)

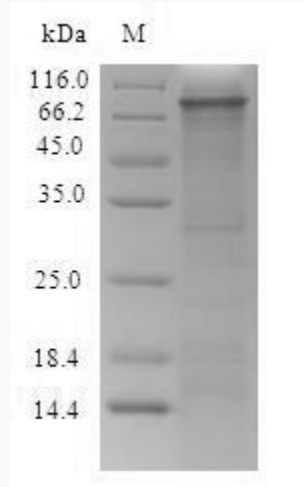
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UniProt ID

Q64632



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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