

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

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

SPECIFICATION

Product Overview	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.
Species	Rat
Source	E.coli
ProteinLength	28-713 aa
Description	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.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	92.2 kDa
AA Sequence	SLTENVEEFWDKLQGERISGNLDAPEGGFDAILQTAVCTRDIGWRADSTHLLVFSTE SAFHYEADGANVLGIMNRNDEKCHLDATGAYTQYKTQDYPVPTLVRLAKHNIPI FAVTNYSYSYKELHKYFPVSSLGLVQEDSSNIVELLEAFYRIRSNLDIRALDSPRGL RTEVTSDTLQKTETGSFHIKRGEVGTYNVHLRAVEDIDGTHVCQLAKEDQRGNIHLK PSFSDGLRMDASVICDMCACELQKEVQSARCHYRGDFMCGHCVCNEGWSGKTCN

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CSTGSLSDTQPCLREGEDKPCSGHGECCQCGRCVCYGEGRYEGHFCEYDNFQCPR
 TSGFLCNDNRGRCSMGECVCEPGWTGRSCDCPLSNATCIDSNGGICNGLGFCECGR
 CHCNQRSSLYTDTTCEINYSAIRLGLCEDLRSCVQCQAWGTGEKKGRTCEEENFKV
 KMVDELKKAEEVVEYCSFRDEDDCTYSYTVEGDGSPGPNSTVLVHKKKDCLPAPS

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

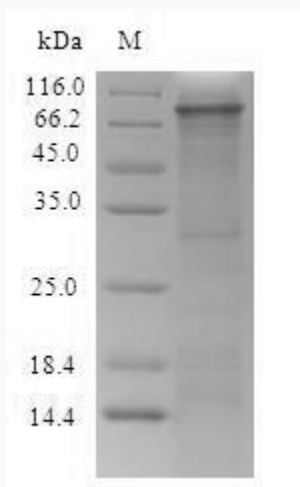
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UniProt ID

Q64632



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

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