Recombinant Human ITGB4 protein, His & T7-tagged

Cat. No. ITGB4-6964H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ITGB4 aa. (Leu923~Cys1197 (Accession # P16144)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Leu923~Cys1197
Description	Integrins are heterodimers comprised of alpha and beta subunits, that are noncovalently associated transmembrane glycoprotein receptors. Different combinations of alpha and beta polypeptides form complexes that vary in their ligand-binding specificities. Integrins mediate cell-matrix or cell-cell adhesion, and transduced signals that regulate gene expression and cell growth. This gene encodes the integrin beta 4 subunit, a receptor for the laminins. This subunit tends to associate with alpha 6 subunit and is likely to play a pivotal role in the biology of invasive carcinoma. Mutations in this gene are associated with epidermolysis bullosa with pyloric atresia. Multiple alternatively spliced transcript variants encoding distinct isoforms have been found for this gene.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 34.4kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)

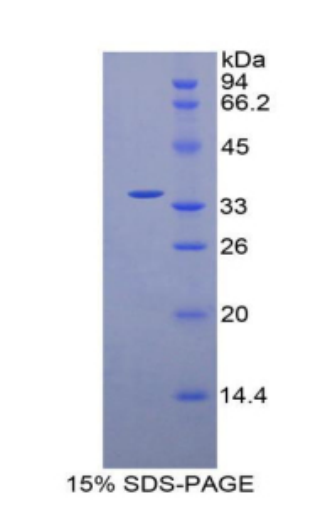
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Purity	>95%
Characteristic	The isoelectric point is 6.1.
Applications	SDS-PAGE; WB; ELISA; IP
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% sucrose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	ITGB4 integrin subunit beta 4 [Homo sapiens (human)]
Official Symbol	ITGB4
Synonyms	ITGB4; integrin subunit beta 4; CD104; GP150; integrin beta-4; CD104 antigen
Gene ID	3691
mRNA Refseq	NM_000213.4
Protein Refseq	NP_000204.3

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UniProt ID	P16144
SDS-PAGE	

15% SDS-PAGE

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