
Product Data Sheet

Product Name: ITGB4 Human

Cat. No.: GP23717

Batch No.: 1

Product Data

Purity	>98%	Source	Sf9,Baculovirus cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Integrin beta-4; GP150; CD104; ITGB4; Integrin Subunit Beta 4; CD104 Antigen; Integrin; Beta 4; Integrin Beta-4.		
Amino Acid Sequence	NRCKKAPVKS CTECVRVDKD CAYCTDEMFR DRCNTQAEI LAAGCQRESI VVMESFQIT EETQIDTTLR RSQMSPQGLR VRLRPGEERH FELEVFEPLE SPVDLYILMD FSNSMSDDL NLKMGQNL RVLSQLTSDY TIGFGKFVDK VSPQTDMPR EKLKEPWPNS DPPFSFKNVI SLTEDVDEFR NKLQGERISG NLDAPGGFD AILQTAVCTR DIGWRPDSTH LLVFSTESAF HYEADGANVL AGIMSRNDER CHLDTTGTYT QYRTQDYPV PTLVRLAKH NIIPIFAVTN YSYSYIEKLH TYFPVSSLGV LQEDSSNIVE LLEAFNRIR SNLDIRALDS PRGLRTEVTS KMFQKTRTGS FHRRGEVGI YQVQLRALEH VDGTHVCQLP EDQKGNHILK PSFSDGLKMD AGIICDVCTC ELQKEVRSAR CSFNGDFVCG QVCSEGWSG QTCNCSTGSL SDIQPCLREG EDKPCSGRGE CQCGHCVCYG EGRYEGQFCE YDNFQCPRTS GFLCNDGRGRC SMGQCVCEPG WTGPSCDCPL SNATCIDSNG GICNGRGHCE CGRCHCHQQS LYTDTICEIN YSAIHPGLCE DLRSCVQCQA WGTGEKKGRT CEECNFKVKM VDELKRAEEV VVRCSEFRDED DDCTYSYME GDGAPGNST VLVHKKKDCP PGSLEHHHHH H		
Formulation	ITGB4 protein solution (0.5mg/ml) contains Phosphate Buffered Saline (pH 7.4) & 10% glycerol.		

Introduction

ITGB4 (integrin beta-4 isoform 1) belongs to the Integrin beta family. ITGB4 forms noncovalent heterodimers with Integrin alpha 6 and takes part in the formation of epithelial hemidesmosomes. ITGB4 has a vital structural role in the hemidesmosome of epithelial cells and is needed for the regulation of keratinocyte motility & polarity. ITGB4 leans towards the association with alpha 6 subunit and is expected to take a key role in

Caution: Product has not been fully validated for medical applications. For research use only.

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the biology of invasive carcinoma.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

ITGB4 produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 691 amino acids (28-710a.a.) and having a molecular mass of 77.5kDa. (Molecular size on SDS-PAGE will appear at approximately 70-100kDa). ITGB4 is expressed with an 8 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

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