

Recombinant Full Length Human ITGB7 Protein, GST-tagged

Cat. No. ITGB7-5786HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ITGB7 full-length ORF (NP_000880.1, 1 a.a. - 798 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	798 amino acids
Description	This gene encodes a protein that is a member of the integrin superfamily. Members of this family are adhesion receptors that function in signaling from the extracellular matrix to the cell. Integrins are heterodimeric integral membrane proteins composed of an alpha chain and a beta chain. The encoded protein forms dimers with an alpha4 chain or an alphaE chain and plays a role in leukocyte adhesion. Dimerization with alpha4 forms a homing receptor for migration of lymphocytes to the intestinal mucosa and Peyer's patches. Dimerization with alphaE permits binding to the ligand epithelial cadherin, a calcium-dependent adhesion molecule. Alternate splicing results in multiple transcript variants. Additional alternatively spliced transcript variants of this gene have been described, but their full-length nature is not known. [provided by RefSeq, Sep 2013]
Molecular Mass	113.3 kDa
AA Sequence	MVALPMVLVLLLVL SRGESELD AKIPSTGDATEWRNPHLSMLGSCQPAPSCQKCILS HPSCAWCKQLNFTASGEAEARRCARREELLARGCPLEELEEPRGQQEVLQDQPLS

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QGARGEGATQLAPQQRVRLRPGEPPQLQVRFLRAEGYPVDLYYLMDSLYSMKDD
 LERVRLQGHALLVRLQEVTHSVRIGFGSFVDKTVLPFVSTVPSKLRHPCPTRLERCQ
 SPFSFHHVLSLTGDAQAFEREVGRQSVSGNLDSPGGFDAILQAALCQEQIGWRNV
 SRLLVFTSDDTFHTAGDGKLGIFMPSDGHCHLDSNGLYSRSTEFDYPVSGQVAQA
 LSAANIQPIFAVTSAAALPVYQELSKLIPKSAVGELSESSNVVQLIMDAYNSLSSTVTL
 EHSSLPPGVHISYESQCEGPEKREGKAEDRGQCNHVRINQTVTFWVSLQATHCLPE
 PHLLRLRALGFSEELIVELHTLDCNCSDTQPQAPHCSGQGHLCGVCSCAPGRL
 GRLCECSVAELSSPDLESGCRAPNGTGPLCSGKGHCQCGRCSCSGQSSGHLCEC
 DDASCEHREGILCGGFGRCQCGVCHCHANRTGRACECSGDMDCISPEGGLCSG
 HGRCKNRCQCLDGYYGALCDQCPGCKTPCERHRDCAECGAFRTGPLATNCSTA
 CAHTNVTLALAPILDDGWCKERTLDNQLFFFLVEDDARGTVVLRVRPQEKGADHTQ
 AIVLGCVGGIVAVGLGLVLAYRLSVEIYDRREYSRFEKEQQQLNWKQDSNPLYKSAIT
 TTINPRFQEADSPTL

Applications

Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

ITGB7 integrin, beta 7 [Homo sapiens]

Official Symbol

ITGB7

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Synonyms	ITGB7; integrin, beta 7; integrin beta-7; integrin beta 7 subunit; gut homing receptor beta subunit;
Gene ID	3695
mRNA Refseq	NM_000889
Protein Refseq	NP_000880
MIM	147559
UniProt ID	P26010

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