

Recombinant Human ITGB7 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. ITGB7-1587H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	ITGB7 MS Standard C13 and N15-labeled recombinant protein (NP_000880) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	86.9 kDa
AA Sequence	MVALPMVLVLLLVL SRGESELD AKIPSTGDATEWRNPHLSMLGSCQPAPSCQKCILS HPSCAWCKQLNFTASGEAEARRCARREELLARGCPLEEELEPRGQQQEVLDQPLS QGARGEGATQLAPQVRVTLRPGEPQQLQVRFLRAEGYPVDLYLMDLSYSMKDD

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

LERVRQLGHALLVRLQEVTHSVRIGFGSFVDKTVLPFVSTVPSKLRHPCPTRLERCQ
 SPFSFHHVLSLTGDAQAFEREVGRQSVSGNLDSPGGFDAILQAALCQEIGWRNV
 SRLLVFTSDDTFHTAGDGKLGIFMPDGHCHLDSNGLYSRSTEFDYPVSGQVAQA
 LSAANIQPIFAVTS AALPVYQELSKLIPKSAVGELSESSNVVQLIMDAYNSLSSTVTL
 EHSSLPPGVHISYESQCEGPEKREGKAEDRGQCNHVRINQTVTFWVSLQATHCLPE
 PHLLRLRALGFSEELIVELHTLCDCNCSDTQPQAPHCS DGQGHLCQGCVCSCAPGRL
 GRLCECSVAELSSPDLESGCRAPNGTGPLCSGKGHCQCGRCSCSGQSSGHLCEC
 DDAS CERHEGILCGGFGRCQCGVCHCHANRTGRACECSGDMDCISPEGGLCSG
 HGRCKCNRCQCLDGYYGALCDQCPGCKTPCERHRDCAECGAFRTGPLATNCSTA
 CAHTNVTLALAPILDDGWCKERTLDNQLFFFLVEDDARGTVVLRVRPQEKGADHTQ
 AIVLGCVGGIVAVGLGLVLAYRLSVEIYDRREYSRFEKEQQQLNWKQDSNPLYKSAIT
 TTINPRFQEADSPTLSGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	ITGB7 integrin subunit beta 7 [Homo sapiens (human)]
Official Symbol	ITGB7
Synonyms	ITGB7; integrin, beta 7; integrin beta-7; integrin beta 7 subunit; gut homing receptor

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beta subunit;

Gene ID 3695

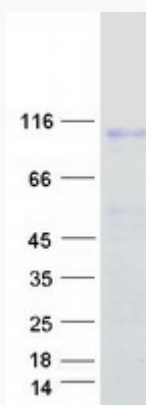
mRNA Refseq NM_000889

Protein Refseq NP_000880

MIM 147559

UniProt ID P26010

SDS-PAGE



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