

Recombinant Human ITGAE

Cat. No. ITGAE-29495TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment of Human Integrin alpha E with N terminal proprietary tag, predicted mwt: 38.28 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	115 amino acids
Description	Integrins are heterodimeric integral membrane proteins composed of an alpha chain and a beta chain. This gene encodes an I-domain-containing alpha integrin that undergoes post-translational cleavage in the extracellular domain, yielding disulfide-linked heavy and light chains. In combination with the beta 7 integrin, this protein forms the E-cadherin binding integrin known as the human mucosal lymphocyte-1 antigen. This protein is preferentially expressed in human intestinal intraepithelial lymphocytes (IEL), and in addition to a role in adhesion, it may serve as an accessory molecule for IEL activation.
Molecular Weight	38.280kDa inclusive of tags
Tissue specificity	Expressed on a subclass of T-lymphocytes known as intra-epithelial lymphocytes which are located between mucosal epithelial cells.
Form	Liquid

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Purity	Proprietary Purification
Storage buffer	pH: 8.00 Constituents: 0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles.
Sequences of amino acids	SPRTKRTPGPLHRCSLVQDEILCHPVEHVPIPKGRHRGVT VVRSHHGVLICIQVLVR RPHLSSELGTGCSLLGPDLRPQ AQANFFDLENLLDPDARVDTGDCYSNKEGGGE DDV
Sequence Similarities	Belongs to the integrin alpha chain family. Contains 7 FG-GAP repeats. Contains 1 VWFA domain.

GENE INFORMATION

Gene Name	ITGAE integrin, alpha E (antigen CD103, human mucosal lymphocyte antigen 1; alpha polypeptide) [Homo sapiens]
Official Symbol	ITGAE
Synonyms	ITGAE; integrin, alpha E (antigen CD103, human mucosal lymphocyte antigen 1; alpha polypeptide); integrin alpha-E; CD103; HUMINAE;
Gene ID	3682
mRNA Refseq	NM_002208
Protein Refseq	NP_002199
MIM	604682

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Uniprot ID	P38570
Chromosome Location	17p13
Pathway	E-cadherin signaling in the nascent adherens junction, organism-specific biosystem; Focal Adhesion, organism-specific biosystem; Integrin cell surface interactions, organism-specific biosystem; Integrin-mediated cell adhesion, organism-specific biosystem; Regulation of actin cytoskeleton, organism-specific biosystem;
Function	receptor activity;

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