

Recombinant Mouse Itgae Protein, Myc/DDK-tagged

Cat. No. Itgae-3600M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length integrin alpha E, epithelial-associated (Itgae), transcript variant 2, with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Integrin alpha-E/beta-7 is a receptor for E-cadherin. It mediates adhesion of intra-epithelial T-lymphocytes to epithelial cell monolayers. Mice expressing a null mutation of the alpha-E subunit gene exhibit a marked reduction in the numbers of intraepithelial lymphocytes in the gut and in the development of gut-associated lymphoid aggregates, supporting a specific role for this integrin in mediating retention of lymphocytes in the intestinal wall.
Molecular Mass	115.2 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method

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Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name [Itgae integrin alpha E, epithelial-associated \[Mus musculus \(house mouse\) \]](#)

Official Symbol [Itgae](#)

Synonyms ITGAE; integrin alpha E, epithelial-associated; integrin alpha-E; integrin alpha M290; CD103; aM290; alpha-E1; A530055J10; alpha-M290; MGC183601

Gene ID [16407](#)

mRNA Refseq [NM_172944](#)

UniProt ID [Q60677](#)

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