

Product datasheet for **TP523560**

Itgae (NM_172944) Mouse Recombinant Protein

Product data:

Product Type: Recombinant Proteins
Description: Purified recombinant protein of Mouse integrin alpha E, epithelial-associated (Itgae), transcript variant 2, with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species: Mouse
Expression Host: HEK293T
Expression cDNA Clone or AA Sequence: >MR223560 representing NM_172944
Red=Cloning site **Green**=Tags(s)

MKWL FHTLLCMASLKPQGAFNLDVDWAWVTALQPGAPAVLSSLLHQDPSNNQTCLLVARRSSNRNTAALY
RCAISISPDEIACQPVEHICMPKGRYQGVTLVGNHNGVLVCIQVQARKFRSLNSELTGACSLLPNLDLQ
AQAYFSDLEGFLDPGAHVDSGDYCRSKGGSTGEEKSARRRRVVEEEDDEEDGTEIAIVLDGSGSIEPSD
FQKAKNFISTMMRNFYEKCFECNFALVQYGAVIQTEFDLQESRDINASLAKVQSIVQVKEVTKTASAMQH
VLDNIFIPSRGSRKKALKVMVWLTGDIFGDPLNLTVINSPKMQGVRFAIGVGDFAKNNNTYRELKLI
ASDPKEAHTFKVTNYSALDGLLSKLQQHIVHMEGTVDALQYQLAQTGFSAQILDKGQVLLGTVGAFNWS
GGALLYSTQNGRGCFLNQTAKEDSRTVQYSYLGSLAVLHKAHGVSYVAGAPRHKLRGAVFELRKEDREE
DAFVRRIEGEQMGSYFGSVLCPVDIDMDGTTDFLLVAAPFYHIRGEEGRVYVYQVPEQDASFSLAHTLSG
HPGLTNSRFGFAMAAGVDINQDKFTDVAIGAPLEFGAGDGASYGSVYIYNGHSGGLYDSPSQQIRASSV
ASGLHYFGMSVSGGLDFNGDGLADITVGSRDSAVVLSRPVVDLTVSMTFTPDALPMVFIGKMDVKLCFE
VDSSGVASEPGLREMFLNFTVDVDVTKQRQLQCEDSSGCQSLRKWNGGSFLCEHFWLISTEELCEEDC
FSNITIKVTYEFQTSGGRRDYPNPTLDHYKEPSAIFQLPYEKDCKNKVFCIAEIQLTTNISQQELVGVGT
KEVTMNISLTNSGEDSYMTNMLNYPNRLQFKKIQKPVSPDVQCDDPKPVASVLMNCKIGHPIPKRSSV
NVSVTWQLEESVFPNRTADITVTISNSNEKSLARETRSLQFRHAFIAVLSRPSVMYMNQTSQSPSDHKEFF
FNVHGENLFGAVFQLQICVPIKLQDFQIVRVKNLTKTQVFKWESVIASLSKDYRFSKI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-MYC/DDK
Predicted MW: 115.2 kDa
Concentration: >0.05 µg/µL as determined by microplate BCA method
Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol



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| Note: | For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process. |
| Storage: | Store at -80°C after receiving vials. |
| Stability: | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. |
| Locus ID: | 16407 |
| UniProt ID: | Q8BS01 |
| RefSeq Size: | 3813 |
| Cytogenetics: | 11 45.22 cM |
| RefSeq ORF: | 3114 |
| Synonyms: | A530055J10; alpha-E1; alpha-M290; aM290; CD103 |
| Summary: | 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.[UniProtKB/Swiss-Prot Function] |