Active Recombinant Human ITGAE&ITGB7 protein, His-tagged

Cat. No. ITGAE&ITGB7-0192H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ITGAE&ITGB7 protein(Phe19-Ser1124(ITGAE)&Glu20-His723(ITGB7)), fused with His tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	19-1124;20-723 a.a.
Form	Lyophilized from 0.22 μm filtered solution in 50 mM Tris, 150 mM NaCl, pH7.5. Normally trehalose is added as protectant before lyophilization.
Bio-activity	Human ITGAE&ITGB7 Heterodimer Protein, His Tag&Tag Free immobilized on CM5 Chip can bind Human E-Cadherin, Fc Tag with an affinity constant of 0.148 μM as determined in a SPR assay (Biacore 8K).
Molecular Mass	The reducing (R) protein migrates as 135-150 kDa (ITGAE) and 100-115 kDa (ITGB7) respectively due to glycosylation.
Proteinlength	Phe19-Ser1124(ITGAE)&Glu20-His723(ITGB7)
Endotoxin	Less than 1.0 EU per μg by the LAL method.
Purity	>90% as determined by SDS-PAGE.

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Storage	For long term, the product should be stored at lyophilized state at -20°C or lower.Please avoid repeated freeze-thaw cycles. This product is stable after at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

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; HML-1 antigen; integrin alpha-IEL; mucosal lymphocyte 1 antigen; antigen CD103, human mucosal lymphocyte antigen 1; alpha polypeptide; MGC141996;
Gene ID	3682
mRNA Refseq	NM_002208
Protein Refseq	NP_002199
MIM	604682
UniProt ID	P38570

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