Recombinant Human ITGAM&ITGB2 protein, His-tagged

Cat. No. ITGAM&ITGB2-0240H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ITGAM&ITGB2 protein(Phe17-Asn1105(ITGAM)&Gln23-Asn700(ITGB2)), fused with His tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	17-1105;23-700 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.
Molecular Mass	Subunit ITGAM is fused with an acidic tail at the C-terminus and followed by a polyhistidine tag and subunit ITGB2 contains no tag but a basic tail at the C-terminus. The non-reducing (NR) protein migrates as 150-180 kDa (ITGAM) and 85-95 kDa (ITGB2) respectively due to glycosylation.
Proteinlength	Phe17-Asn1105(ITGAM)&Gln23-Asn700(ITGB2)
Endotoxin	Less than 1.0 EU per μg by the LAL method.
Purity	>95% as determined by SDS-PAGE.
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:

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
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	-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	ITGAM integrin, alpha M (complement component 3 receptor 3 subunit) [Homo sapiens]
Official Symbol	ITGAM
Synonyms	ITGAM; integrin, alpha M (complement component 3 receptor 3 subunit); CD11B, CR3A, integrin, alpha M (complement component receptor 3, alpha; also known as CD11b (p170), macrophage antigen alpha polypeptide); integrin alpha-M; CD11b; MAC 1; CR-3 alpha chain; antigen CD11b (p170); leukocyte adhesion receptor MO1; CD11 antigen-like family member B; macrophage antigen alpha polypeptide; cell surface glycoprotein MAC-1 subunit alpha; neutrophil adherence receptor alpha-M subunit; CR3A; MO1A; CD11B; MAC-1; MAC1A; SLEB6; MGC117044;
Gene ID	3684
mRNA Refseq	NM_000632
Protein Refseq	NP_000623
MIM	120980
UniProt ID	P11215

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