

Recombinant Human ITGAM Protein, His-tagged

Cat. No. ITGAM-1065H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ITGAM Protein (Pro145-Gly337) with His tag was expressed in 293F.
Species	Human
Source	HEK293
ProteinLength	Pro145-Gly337
Description	This gene encodes the integrin alpha M chain. Integrins are heterodimeric integral membrane proteins composed of an alpha chain and a beta chain. This I-domain containing alpha integrin combines with the beta 2 chain (ITGB2) to form a leukocyte-specific integrin referred to as macrophage receptor 1 ('Mac-1'), or inactivated-C3b (iC3b) receptor 3 ('CR3'). The alpha M beta 2 integrin is important in the adherence of neutrophils and monocytes to stimulated endothelium, and also in the phagocytosis of complement coated particles. Multiple transcript variants encoding different isoforms have been found for this gene.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 23.6 kDa; Accurate Molecular Mass: 27&30 kDa
Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	ITGAM integrin subunit alpha M [Homo sapiens (human)]
Official Symbol	ITGAM
Synonyms	ITGAM; integrin subunit alpha M; CR3A; MO1A; CD11B; MAC-1; MAC1A; SLEB6; integrin alpha-M; CD11 antigen-like family member B; CR-3 alpha chain; antigen CD11b (p170); cell surface glycoprotein MAC-1 subunit alpha; complement component 3 receptor 3 subunit; integrin, alpha M (complement component 3 receptor 3 subunit); leukocyte adhesion receptor MO1; macrophage antigen alpha polypeptide; macrophage-1 antigen alpha subunit; neutrophil adherence receptor alpha-M subunit
Gene ID	3684
mRNA Refseq	NM_000632

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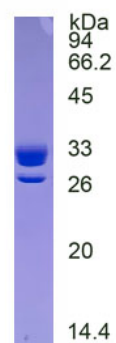
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Protein Refseq [NP_000623](#)

MIM [120980](#)

UniProt ID [P11215](#)



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