

Recombinant Human ITGAX protein, His-tagged

Cat. No. ITGAX-1553H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ITGAX aa. (Gln143~Ser344) fused with N-terminal His tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Gln143~Ser344
Description	This gene encodes the integrin alpha X chain protein. Integrins are heterodimeric integral membrane proteins composed of an alpha chain and a beta chain. This protein combines with the beta 2 chain (ITGB2) to form a leukocyte-specific integrin referred to as inactivated-C3b (iC3b) receptor 4 (CR4). The alpha X beta 2 complex seems to overlap the properties of the alpha M beta 2 integrin in the adherence of neutrophils and monocytes to stimulated endothelium cells, and in the phagocytosis of complement coated particles. Two transcript variants encoding different isoforms have been found for this gene.
Form	Freeze-dried powder
Molecular Mass	27kDa as determined by SDS-PAGE reducing conditions.
Endotoxin	<1.0EU per 1g (determined by the LAL method).
Purity	>98%

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Characteristic	The isoelectric point is 8.
Applications	SDS-PAGE; WB; ELISA; IP; CoIP; Purification; Amine Reactive Labeling.
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°C 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°C for one month. Aliquot and store at -80°C for 12 months.
Concentration	200g/mL
Storage buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5%Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	ITGAX integrin subunit alpha X [Homo sapiens (human)]
Official Symbol	ITGAX
Synonyms	CD11C; SLEB6; CD11 antigen-like family member C; complement component 3 receptor 4 subunit; integrin alpha X; integrin, alpha X (antigen CD11C (p150), alpha polypeptide); integrin, alpha X (complement component 3 receptor 4 subunit); leu M5, alpha subunit

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leukocyte adhesion glycoprotein p150,95 alpha chain; leukocyte adhesion receptor p150,95; leukocyte surface antigen p150,95, alpha subunit; myeloid membrane antigen, alpha subunit; p150 95 integrin alpha chain; integrin alpha-X

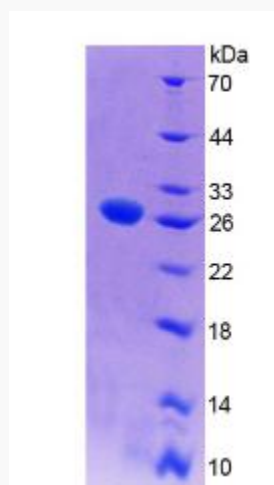
Gene ID [3687](#)

mRNA Refseq [NM_000887.4](#)

Protein Refseq [NP_000878.2](#)

UniProt ID [P20702](#)

SDS-PAGE



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