

## Recombinant Human ITGAX protein, His-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human ITGAX aa. (Gln143~Ser344) fused with N-terminal His tag was produced in E. coli cells.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	Gln143~Ser344
<b>Description</b>	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.
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	27kDa as determined by SDS-PAGE reducing conditions.
<b>Endotoxin</b>	<1.0EU per 1g (determined by the LAL method).
<b>Purity</b>	>98%

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<b>Characteristic</b>	The isoelectric point is 8.
<b>Applications</b>	SDS-PAGE; WB; ELISA; IP; CoIP; Purification; Amine Reactive Labeling.
<b>Stability</b>	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.
<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
<b>Concentration</b>	200g/mL
<b>Storage buffer</b>	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5%Trehalose and Proclin300.
<b>Reconstitution</b>	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0mg/mL. Do not vortex.

## GENE INFORMATION

<b>Gene Name</b>	ITGAX integrin subunit alpha X [ Homo sapiens (human) ]
<b>Official Symbol</b>	ITGAX
<b>Synonyms</b>	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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