Recombinant Human ITGAX&ITGB2 protein, His-tagged

Cat. No. ITGAX&ITGB2-1599H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ITGAX&ITGB2 protein(Phe20-Pro1107(ITGAX)&Gln23-Asn700(ITGB2)), fused with His tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	20-1107;23-700 a.a.
Form	Lyophilized from 0.22 μm filtered solution in 50 mM Tris, 150 mM NaCl, pH7.5 with trehalose as protectant.
Molecular Mass	Molecular CharacterizationHuman ITGAX&ITGB2 Heterodimer Protein, His Tag&Tag Free, produced by co-expression of ITGAX and ITGB2, has a calculated MW of 126.5 kDa (ITGAX) and 80.2 kDa (ITGB2). Subunit ITGAX 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 protein migrates as 145 kDa (ITGAX) and 90 kDa (ITGB2) under reducing (R) condition (SDS-PAGE) due to glycosylation.
Proteinlength	Phe20-Pro1107(ITGAX)&Gln23-Asn700(ITGB2)
Endotoxin	Less than 1.0 EU per μg by the LAL method.
Purity	>95% 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	ITGAX integrin, alpha X (complement component 3 receptor 4 subunit) [Homo sapiens]
Official Symbol	ITGAX
Synonyms	ITGAX; integrin, alpha X (complement component 3 receptor 4 subunit); CD11C, integrin, alpha X (antigen CD11C (p150), alpha polypeptide); integrin alpha-X; CD11c; leu M5, alpha subunit; p150 95 integrin alpha chain; CD11 antigen-like family member C; leukocyte adhesion receptor p150,95; myeloid membrane antigen, alpha subunit; leukocyte surface antigen p150,95, alpha subunit; leukocyte adhesion glycoprotein p150,95 alpha chain; integrin, alpha X (antigen CD11C (p150), alpha polypeptide); CD11C; SLEB6;
Gene ID	3687
mRNA Refseq	NM_000887
Protein Refseq	NP_000878
MIM	151510

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UniProt ID	P20702

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