Recombinant Human ITGAX protein(Met1-Pro1107 & Met1-Asn700), Flag&His-tagged

Cat. No. ITGAX-4119H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ITGAX (P20702)(Met 1-Pro 1107) was fused with a flag tag at the C-terminus, constructed the plasmid 1; Recombinant (Met 1-Asn 700) of Human ITGB2 (P05107) was fused with a polyhistidine tag at the C-terminus, constructed the plasmid 2. The two plasmids were co-expressed and the heterodimer was purified in HEK293.
Species	Human
Source	HEK293
ProteinLength	1-1107;1-700 a.a.
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Molecular Mass	The recombinant heterodimer of human ITGAX/ITGB2 comprises 1879 (1130+718) amino acids and has a calculated molecular mass of 205 (125+80) kDa. As a result of glycosylation, the apparent molecular mass of rh ITGAX/ITGB2 heterodimer is approximately 95 &130 kDa in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method
Purity	> 90 % as determined by SDS-PAGE

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Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
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
UniProt ID	P20702

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