

Integrin alpha X beta 2 Protein, Human, Recombinant (His)

General Information

Synonyms:	Integrin α X β 2; integrin, alpha X (complement component 3 receptor 4 subunit); integrin, α X (complement component 3 receptor 4 subunit); SLEB6; Integrin alpha X β 2; CD11C
Protein Construction:	A DNA sequence encoding the extracellular domain (Met1-Pro1107) of human ITGAX (P20702) was expressed with a polyhistidine tag at the C-terminus, constructed the plasmid 1; A DNA sequence encoding the extracellular domain (Met1-Asn700) of human ITGB2 (P05107), constructed the plasmid 2. The two plasmids were co-expressed and the heterodimer was purified. Predicted N terminal: Phe 20 & Gln 23
Species:	Human
Expression Host:	HEK293 Cells
Accession:	P20702&P05107
Molecular Weight:	204.8 kDa (predicted)

QC Testing

Biological Activity:	Activity testing is in progress. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 90 % as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/ μ g of the protein as determined by the LAL method.
Formulation:	Lyophilized from a solution filtered through a 0.22 μ m filter, containing PBS, pH 7.4. Typically, a mixture containing 5% to 8% trehalose, mannitol, and 0.01% Tween 80 is incorporated as a protective agent before lyophilization.

Preparation and Storage

Reconstitution:	A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.
Stability & Storage:	It is recommended to store recombinant proteins at -20°C to -80°C for future use. Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots. <small>Actual storage temperature shall be subject to the COA.</small>
Shipping:	In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

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