

Integrin alpha 8 beta 1 Recombinant Protein | ITGA8&ITGB1 recombinant protein

Integrin alpha 8 beta 1 Protein, Human, Recombinant (DYKDDDDK & His Tag)

CATALOG #
AAA27766

HOST
HEK293 Cells

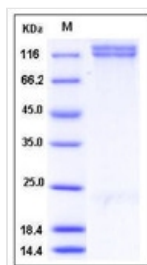
PRODUCT SYNONYMS

Integrin alpha 8 beta 1; Integrin alpha 8 beta 1 Protein; Human; Recombinant (DYKDDDDK & His Tag); Human ITGA8 & ITGB1 Heterodimer Protein; integrin; alpha 8; ITGA8&ITGB1 recombinant protein

PRODUCT SPECIFICATIONS

Host	HEK293 Cells
Purity/Purification	>85% as determined by SDS-PAGE
Form/Format	Lyophilized from sterile PBS, pH 7.4, 5% trehalose , 5% mannitol, 0.01% tween-80
Source	Human
Endotoxin	<1.0EU per ug of the protein as determined by the LAL method
Predicted N Terminal	Phe 39 & Gln 21
Protein Construction	A DNA sequence encoding the extracellular domain (Met 1-Leu 1012) of human ITGA8 (P53708) was fused with a DYKDDDDK tag at the C-terminus, constructed the plasmid 1; A DNA sequence encoding the extracellular domain (Met 1-Asp 728) of human ITGB1 (P05556-1) 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
Reconstitution	It is recommended that sterile water (200ul) be added to the vial to prepare a stock solution of 0.25mg/mL Concentration is mesured by UV.
Molecular Note	The recombinant heterodimer of human ITGA8/ITGB1 comprises 1765 (1016 + 749) amino acids and has a calculated molecular mass of 196 (113 + 83) kDa. As a result of glycosylation, the apparent molecular mass of rh ITGA8/ITGB1 heterodimer is approximately 120 &140 kDa in SDS-PAGE under reducing conditions.
Preparation and Storage	Storage: Store it under sterile conditions at -20°C to -80°C, upon receiving. Recommended to aliquot the protein into smaller quantities for optimal storage. Stability Note: Samples are stable for up to 12 months from date of receipt at -70°C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Product Categories/Family for ITGA8&ITGB1 recombinant protein	AKT Signaling Pathway
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NCBI AND UNIPROT INFORMATION

NCBI GI #	49170034
NCBI GeneID	8516
NCBI Accession #	NP_003629.1
NCBI GenBank Nucleotide #	NM_003638.1
UniProt Accession #	P53708; P05556
NCBI Official Full Name	integrin alpha-8
NCBI Official Synonym Full Names	integrin, alpha 8
NCBI Official Symbol	ITGA8
NCBI Official Synonym Symbols	ITGA8
NCBI Protein Information	integrin alpha-8; OTTHUMP00000019207
UniProt Protein Name	Integrin alpha-8
UniProt Gene Name	ITGA8
UniProt Entry Name	ITA8_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/itga8-recombinant-protein-hek293/27766>