Active Recombinant Human ITGA8&ITGB1 protein, His-tagged

Cat. No. ITGA8&ITGB1-1564H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ITGA8&ITGB1 protein(Phe39-Leu1012(ITGA8)&Gln21-Asp728), fused with His tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	39-1012;21-728 a.a.
Form	Lyophilized from 0.22 μm filtered solution in 50 mM Tris, 150 mM NaCl, pH7.5.
Bio-activity	Immobilized Human Fibronectin at 2 μg/mL (100 μL/well) can bind Human ITGA8&ITGB1 Heterodimer Protein, His Tag&Tag Free with a linear range of 0.016-0.5 μg/mL.
Molecular Mass	Human ITGA8&ITGB1 Heterodimer Protein, His Tag&Tag Free, produced by co-expression of ITGA8 and ITGB1, has a calculated MW of 114.6 kDa (ITGA8) and 83.7 kDa (ITGB1). Subunit ITGA8 is fused with an acidic tail at the C-terminus and followed by a polyhistidine tag and subunit ITGB1 contains no tag but a basic tail at the C-terminus. The non-reducing (NR) protein migrates as 140-170 kDa (ITGA8) and 100-115 kDa (ITGB1) respectively due to glycosylation.
Proteinlength	Phe39-Leu1012(ITGA8)&Gln21-Asp728
Endotoxin	Less than 1.0 EU per μg by the LAL method.

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Purity	>95% as determined by SDS-PAGE.
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	ITGA8 integrin, alpha 8 [Homo sapiens]
Official Symbol	ITGA8
Synonyms	ITGA8; integrin, alpha 8; integrin alpha-8;
Gene ID	8516
mRNA Refseq	NM_003638
Protein Refseq	NP_003629
MIM	604063
UniProt ID	P53708

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA