

### Synonym

Integrin alpha V beta 8, ITGAV&ITGB8

### Source

Rat Integrin alpha V beta 8 (ITGAV&ITGB8) Heterodimer, His Tag&Tag Free (IT8-R52E1) is expressed from human 293 cells (HEK293). It contains AA Phe 31 - Pro 988 & Gly 22 - Ser 679 (Accession # [NP\\_001385621.1](#) & [A0A0G2JVU1](#)).  
Predicted N-terminus: Phe 31 | Gly 22

### Molecular Characterization

ITGAV (Phe 31 - Pro 988) NP_001385621.1	Acidic Tail	Poly-his
ITGB8 (Glu 22 - Ser 679) A0A0G2JVU1	Basic Tail	

[Other Tags and Version](#) [Biotin & Other Labeled Version](#)

Rat ITGAV&ITGB8 Heterodimer Protein, His Tag&Tag Free, produced by co-expression of ITGAV and ITGB8, has a calculated MW of 113 kDa (ITGAV) & 77 kDa (ITGB8). Subunit ITGAV is fused with an acidic tail at the C-terminus and followed by a polyhistidine tag and subunit ITGB8 contains no tag but a basic tail at the C-terminus. The protein migrates as 125-145 kDa (ITGAV) and 75-85 kDa (ITGB8) under non-reducing (NR) condition (SDS-PAGE) due to glycosylation.

### Endotoxin

Less than 1.0 EU per µg by the LAL method / rFC method.

### Purity

>95% as determined by SDS-PAGE.  
>90% as determined by SEC-MALS.

### Formulation

Lyophilized from 0.22 µm filtered solution in 50 mM Tris, 150 mM NaCl, pH7.5 with trehalose as protectant.  
Contact us for customized product form or formulation.

### Reconstitution

Please see Certificate of Analysis for specific instructions.  
**For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.**

### Storage

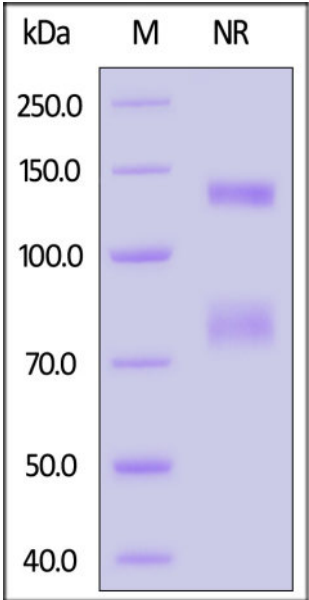
For long term storage, the product should be stored at lyophilized state at -20°C or lower.  
**Please avoid repeated freeze-thaw cycles.**  
This product is stable after storage at:

- 20°C to -70°C for 12 months in lyophilized state;
- 70°C for 3 months under sterile conditions after reconstitution.

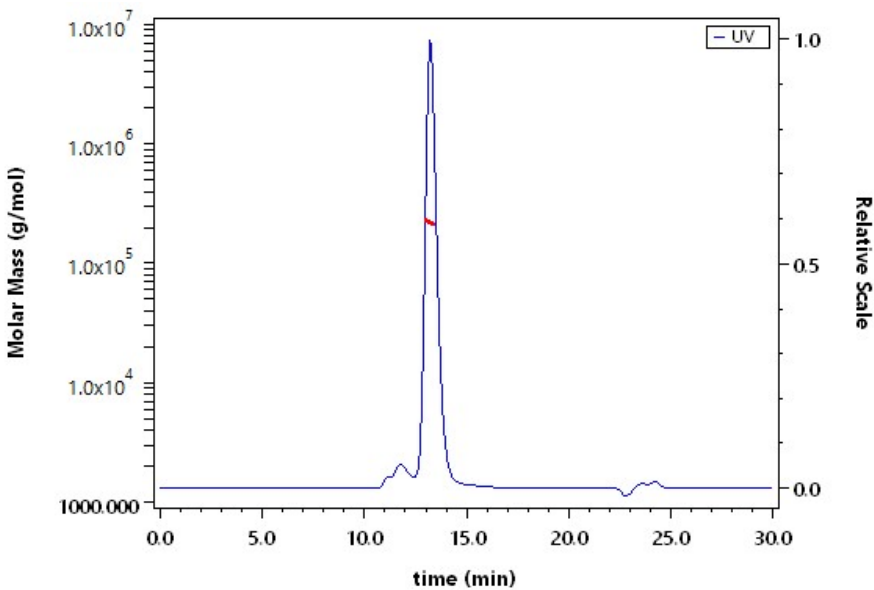
### ACRO Quality Management System

- [QMS\(ISO, GMP\)](#)
- [Quality Advantages](#)
- [Quality Control Process](#)

### SDS-PAGE



### SEC-MALS



The purity of Rat Integrin alpha V beta 8 (ITGAV&ITGB8) Heterodimer, His Tag&Tag Free (Cat. No. IT8-R52E1) is more than 90% and the molecular weight of this protein is around 200-230 kDa verified by SEC-MALS.