

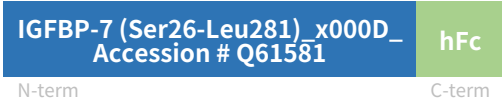
Rev03
 Update: Aug,08,2025

DATASHEET

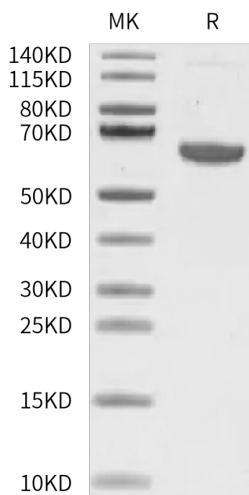
IGFBP-7 hFc Chimera, Mouse

Cat. No.: Z06175

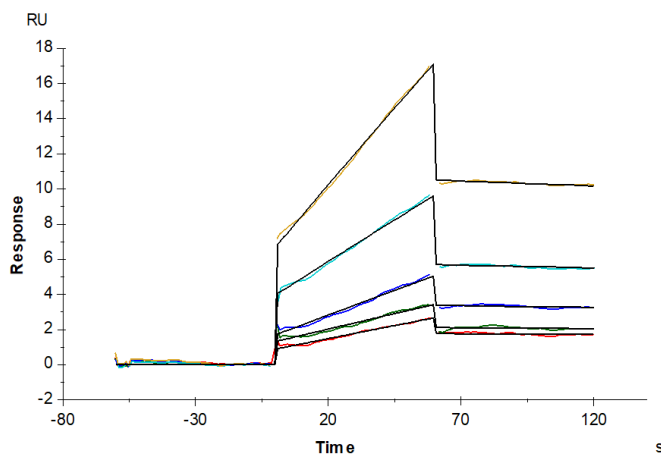
Product Introduction

Species	Mouse
Protein Construction	 <p>IGFBP-7 (Ser26-Leu281)_x000D_ Accession # Q61581 hFc</p> <p>N-term C-term</p>
Purity	<p>> 95% as determined by BisTris PAGE</p> <p>> 95% as determined by HPLC</p>
Endotoxin Level	Less than 1EU per µg by the LAL method.
Biological Activity	IGFBP-7 hFc Chimera, Mouse captured on CM5 Chip via Protein A can bind Human CD93, His Tag in SPR assay (Biacore T200). Test result was comparable to standard batch.
Expression System	HEK293
Theoretical Molecular Weight	53.03 kDa
Apparent Molecular Weight	Due to glycosylation, the protein migrates to 55-70 kDa based on Bis-Tris PAGE result.
Formulation	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4).
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage & Stability	Upon receiving, the product remains stable up to 6 months at -20 °C or below. Upon reconstitution, the product should be stable for 3 months at -80 °C. Avoid repeated freeze-thaw cycles.

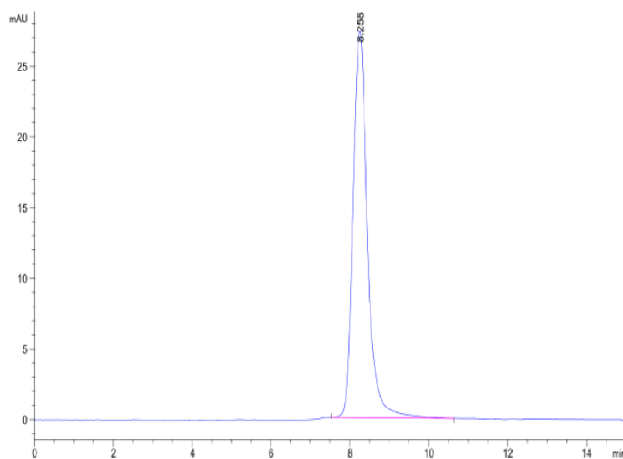
Examples



IGFBP-7 hFc Chimera, Mouse on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.



IGFBP-7 hFc Chimera, Mouse on CM5 Chip via Protein A can bind Human CD93, His Tag with an affinity constant of $1.67 \mu\text{M}$ as determined in SPR assay (Biacore T200) (QC Test).



The purity of IGFBP-7 hFc Chimera, Mouse is greater than 95% as determined by SEC-HPLC.

Background

Target Background : IGFBP-7, also known as Mac25/Angiomodulin (AGM), GFBP-rp1, tumor-derived adhesion factor (TAF) and prostacyclin-stimulating factor (PSF), is a secreted protein that contains three protein domain modules. Human IGFBP-rp1 cDNA encodes 282 amino acid (aa) residue precursor protein with a putative 26 aa signal peptide. IGFBP-7 binds IGF-I and IGF-II with a relatively low affinity. Stimulates prostacyclin (PGI₂) production. Stimulates cell adhesion.

Synonyms : IGFBP-7; IBP7; AGM; FSTL2; IGFBP-7v; IGFBPRP1; MAC25; PSF; RAMSVPS; TAF

For research use only. Not intended for human or animal clinical trials, therapeutic or diagnostic use.

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