

Recombinant Human TNFRSF14 Protein (Pro37-Val202), C-Fc and 6×His-tagged, Biotinylated conjugated

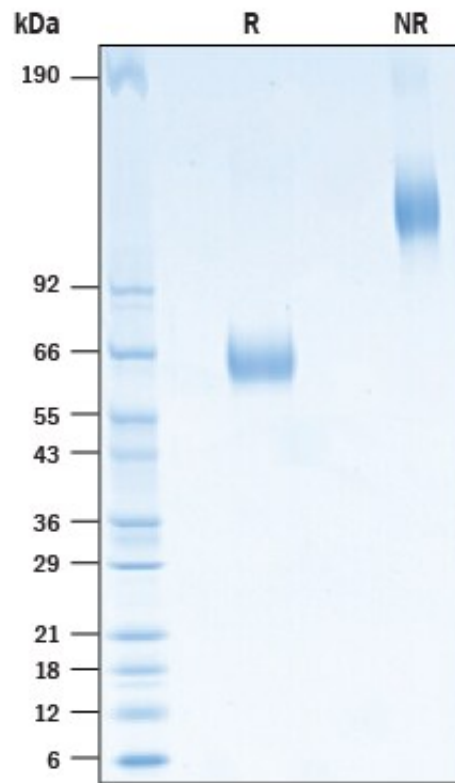
Product Information

Cat	IMP-10052
Official Symbol	TNFRSF14
Product Overview	<i>Biotinylated recombinant human HVEM/TNFRSF14 protein (Pro37-Val202) with a human IgG1 (Pro100-Lys330) Fc tag and Avi tag at C-terminus was expressed in Chinese Hamster Ovary cell line.</i>
Description	<i>This gene encodes a member of the TNF (tumor necrosis factor) receptor superfamily. The encoded protein functions in signal transduction pathways that activate inflammatory and inhibitory T-cell immune response. It binds herpes simplex virus (HSV) viral envelope glycoprotein D (gD), mediating its entry into cells. Alternative splicing results in multiple transcript variants.</i>
Expression System	CHO
Species	Human
Tag	C-Fc and Avi
Predicted N Terminal	Pro37
Form	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose.
Conjugate	Biotinylated
Molecular Mass	<i>Predicted Molecular Mass: 46 kDa SDS-PAGE: 61-67 kDa, under reducing conditions</i>
Protein length	Pro37-Val202
Bio-activity	<i>Measured by its binding ability in a functional ELISA. When Recombinant Human BTLA is immobilized at 1.00 µg/mL (100 µL/well), Biotinylated Recombinant Human HVEM/TNFRSF14 Fc Chimera Avi-tag binds with an ED50 of 30.0-180 ng/mL.</i>
Endotoxin	
Purity	<i>>95%, by SDS-PAGE visualized with Silver Staining and quantitative densitometry by Coomassie Blue Staining.</i>
Notes	<i>Disulfide-linked homodimer, biotinylated via Avi-tag</i>
Storage	<i>Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 3 months, -20 to -70 centigrade under sterile conditions after reconstitution.</i>

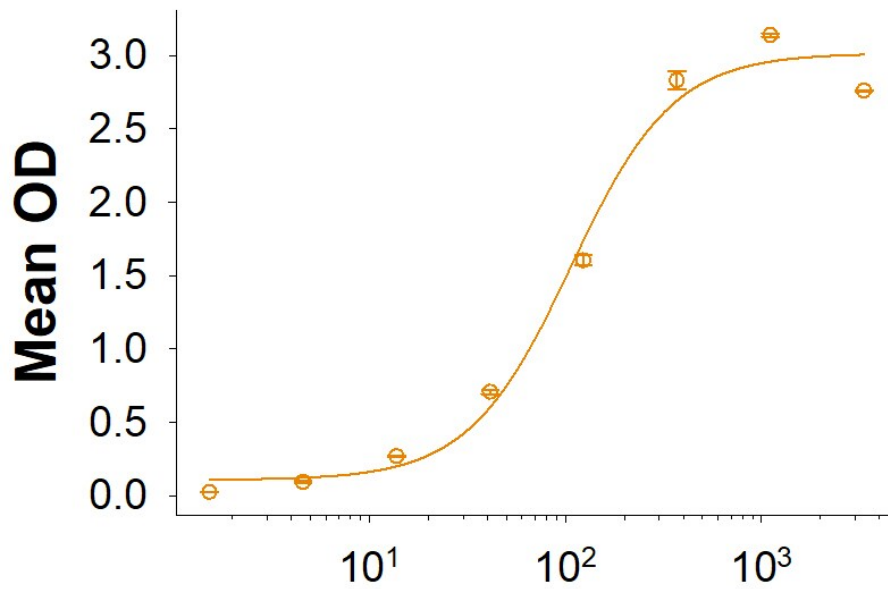
Reconstitution

Reconstitute at 500 µg/mL in PBS.

SDS-PAGE



Bioactivity-ELISA 1



Biotinylated Recombinant Human HVEM/TNFRSF14 Fc Avi (ng/mL)

Measured by its binding ability in a functional ELISA. When Recombinant Human BTLA is immobilized at 1.00 $\mu\text{g/mL}$ (100 $\mu\text{L/well}$), Biotinylated Recombinant Human HVEM/TNFRSF14 Fc Chimera Avi-tag binds with an ED50 of 30.0-180 ng/mL.