

Biotinylated Cynomolgus / Rhesus macaque OX40 / TNFRSF4 / CD134 Protein, His,Avitag™ (MALS verified)

Catalog # OX0-C82E9



Synonyms

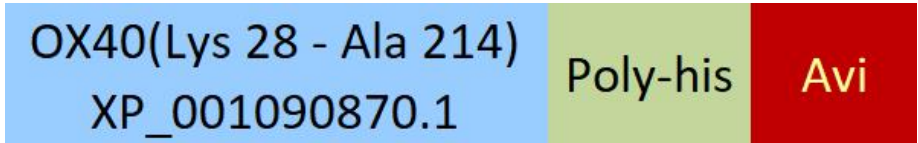
TNFRSF4, OX40, CD134, OX40L receptor, ACT35, TXGP1L

Source

Biotinylated Cynomolgus / Rhesus macaque OX40, His,Avitag (OX0-C82E9) is expressed from human 293 cells (HEK293). It contains AA Lys 28 - Ala 214 (Accession # [XP_001090870.1](#)). In the region Lys 28 - Ala 214, the amino acid sequences of Cynomolgus and Rhesus macaque OX40 are identical.

Predicted N-terminus: Lys 28

Molecular Characterization



This protein carries a polyhistidine tag at the C-terminus, followed by an Avi tag (Avitag™).

The protein has a calculated MW of 23.8 kDa. The protein migrates as 40-45 kDa when calibrated against [Star Ribbon Pre-stained Protein Marker](#) under reducing (R) condition (SDS-PAGE) due to glycosylation.

Labeling

Biotinylation of this product is performed using Avitag™ technology. Briefly, the single lysine residue in the Avitag is enzymatically labeled with biotin.

Protein Ratio

Passed as determined by the HABA assay / binding ELISA.

Endotoxin

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

Purity

>90% as determined by SDS-PAGE.

Formulation

Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 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.

Shipping and Storage

This product is shipped at ambient temperature.

For long term storage, the product should be stored at lyophilized state at -20°C or lower.

Please avoid repeated freeze-thaw cycles.

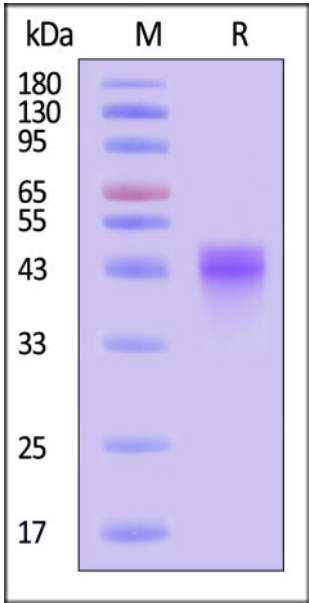
This product is stable after storage at:

- -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

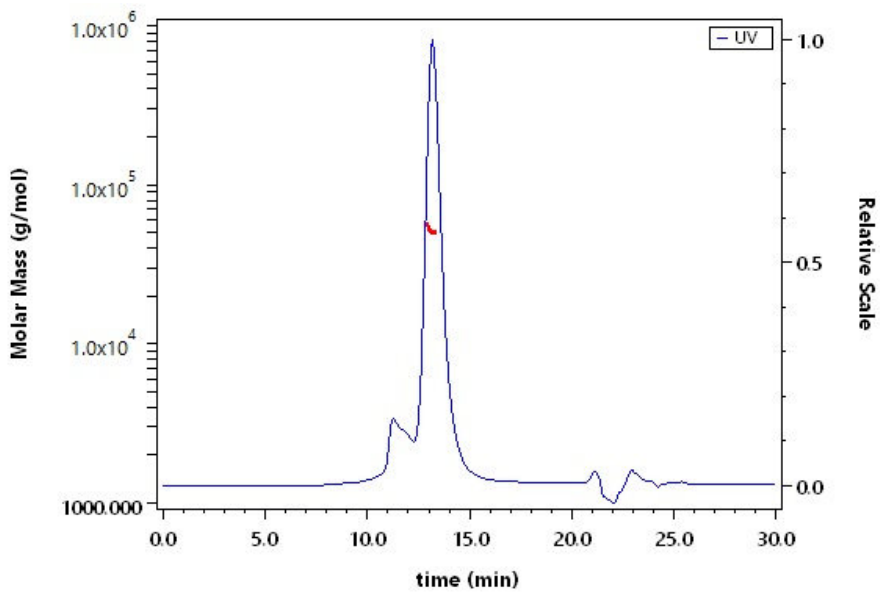
- [QMS\(ISO, GMP\)](#)
- [Quality Advantages](#)
- [Quality Control Process](#)

SDS-PAGE



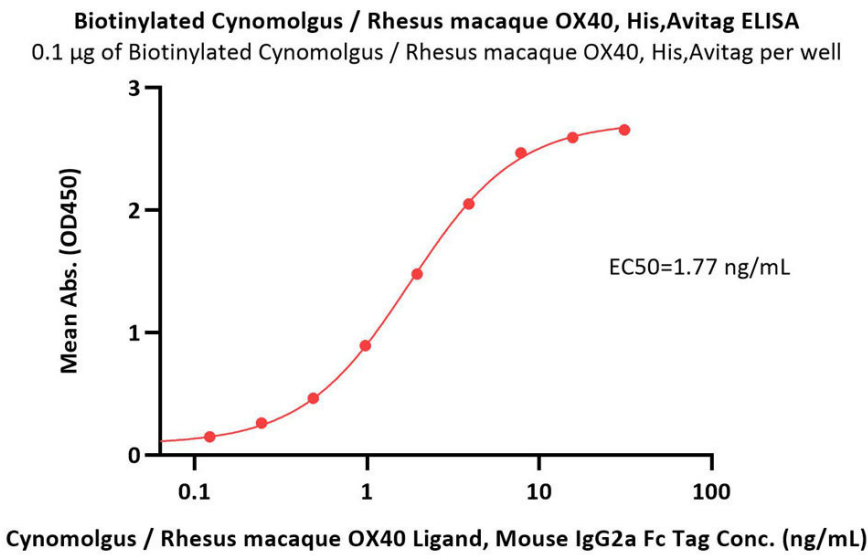
Biotinylated Cynomolgus / Rhesus macaque OX40, His,Avitag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90% (With [Star Ribbon Pre-stained Protein Marker](#)).

SEC-MALS

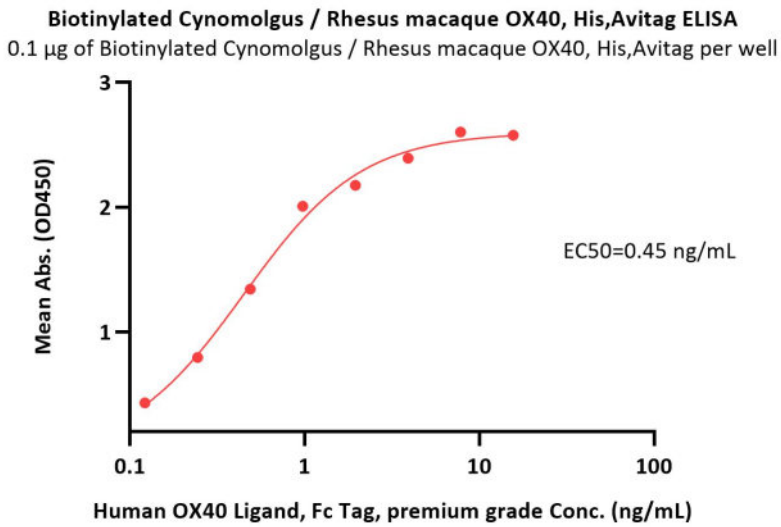


The purity of Biotinylated Cynomolgus / Rhesus macaque OX40, His,Avitag (Cat. No. OX0-C82E9) is more than 85% and the molecular weight of this protein is around 40-55 kDa verified by SEC-MALS.

Bioactivity-ELISA



Immobilized Biotinylated Cynomolgus / Rhesus macaque OX40, His,Avitag (Cat. No. OX0-C82E9) at 1 µg/mL (100 µL/well) on streptavidin (Cat. No. STN-N5116) precoated (0.5 µg/well) plate can bind Cynomolgus / Rhesus macaque OX40 Ligand, Mouse IgG2a Fc Tag (Cat. No. OXL-R5259) with a linear range of 0.1-4 ng/mL (QC tested).



Immobilized Biotinylated Cynomolgus / Rhesus macaque OX40, His,Avitag (Cat. No. OX0-C82E9) at 1 µg/mL (100 µL/well) on streptavidin (Cat. No. STN-N5116) precoated (0.5 µg/well) plate can bind Human OX40 Ligand, Fc Tag, premium grade (Cat. No. OXL-H5266) with a linear range of 0.1-1 ng/mL (Routinely tested).

Background

Tumor necrosis factor receptor superfamily member 4 (TNFRSF4) is also known as ACT35 antigen, OX40L receptor, TAX transcriptionally-activated glycoprotein 1 receptor, CD antigen CD134, OX40. OX40 / TNFRSF4 contains four TNFR-Cys repeats. TNFRSF4 is receptor for TNFSF4 / OX40L / GP34 and can interact with TRAF2, TRAF3 and TRAF5.



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