

# Rat OX40 / TNFRSF4 / CD134 Protein, His Tag (MALS verified)

Catalog # OX0-R52H9



BIOSYSTEMS  
**Acro**

## Synonym

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

## Source

Rat OX40, His Tag (OX0-R52H9) is expressed from human 293 cells (HEK293). It contains AA Val 20 - Pro 210 (Accession # [P15725-1](#)).  
Predicted N-terminus: Val 20

## Molecular Characterization

OX40(Val 20 - Pro 210)  
P15725-1

Poly-his

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

This protein carries a polyhistidine tag at the C-terminus.

The protein has a calculated MW of 22.9 kDa. The protein migrates as 35-50 kDa when calibrated against [Star Ribbon Pre-stained Protein Marker](#) under reducing (R) condition (SDS-PAGE) due to glycosylation.

## Endotoxin

Less than 1.0 EU per  $\mu\text{g}$  by the LAL method / rFC method.

## Purity

>90% as determined by SDS-PAGE.

>95% as determined by SEC-MALS.

## Formulation

Lyophilized from 0.22  $\mu\text{m}$  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.**

## Storage

For long term storage, the product should be stored at lyophilized state at  $-20^{\circ}\text{C}$  or lower.

**Please avoid repeated freeze-thaw cycles.**

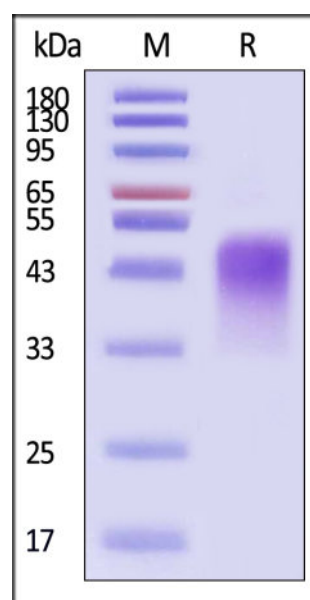
This product is stable after storage at:

- $-20^{\circ}\text{C}$  to  $-70^{\circ}\text{C}$  for 12 months in lyophilized state;
- $-70^{\circ}\text{C}$  for 3 months under sterile conditions after reconstitution.

## ACRO Quality Management System

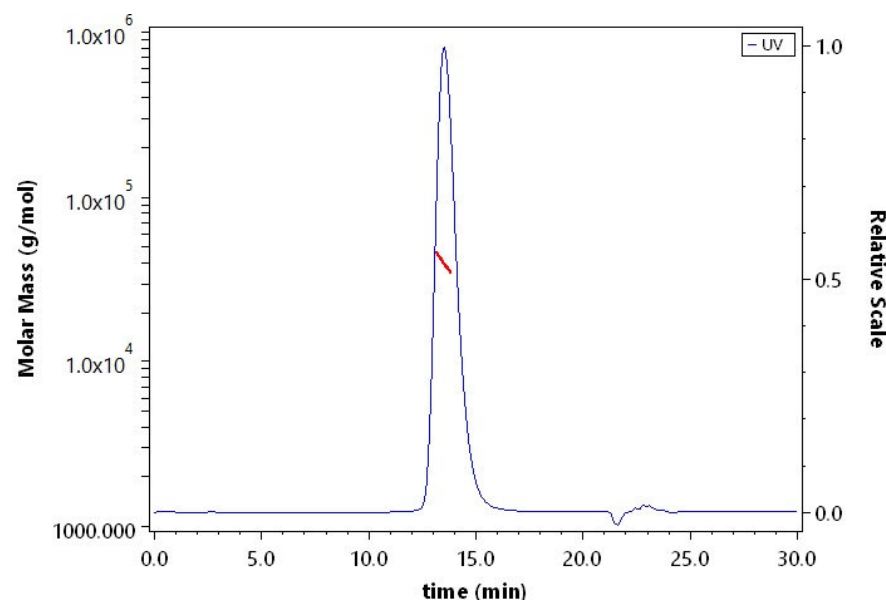
- [QMS\(ISO, GMP\)](#)
- [Quality Advantages](#)
- [Quality Control Process](#)

## SDS-PAGE



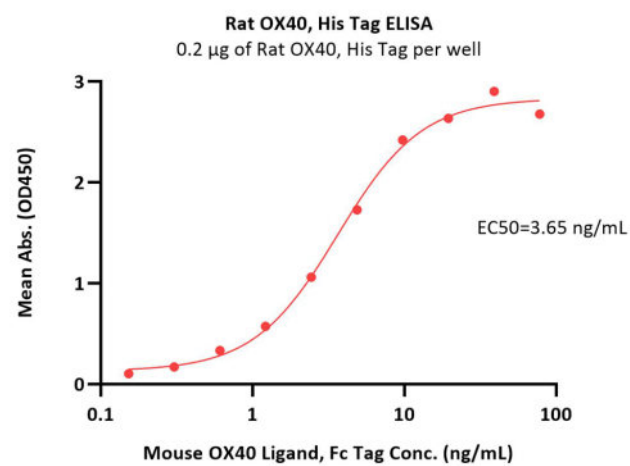
Rat OX40, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90%

## SEC-MALS



The purity of Rat OX40, His Tag (Cat. No. OX0-R52H9) is more than 95% and the molecular weight of this protein is around 35-50 kDa verified by SEC-

## Bioactivity-ELISA



Immobilized Rat OX40, His Tag (Cat. No. OX0-R52H9) at 2 µg/mL (100 µL/well) can bind Mouse OX40 Ligand, Fc Tag with a linear range of 0.2-10 ng/mL (QC 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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