

# Cynomolgus DR6/TNFRSF21 Protein

Cat. No. DR6-CM101

## Description

<b>Source</b>	Recombinant Cynomolgus DR6/TNFRSF21 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Gln42-His349.
<b>Accession</b>	A0A2K5VIJ8
<b>Molecular Weight</b>	The protein has a predicted MW of 34.50 kDa. Due to glycosylation, the protein migrates to 60-70 kDa based on Bis-Tris PAGE result.
<b>Endotoxin</b>	Less than 1 EU per $\mu\text{g}$ by the LAL method.
<b>Purity</b>	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

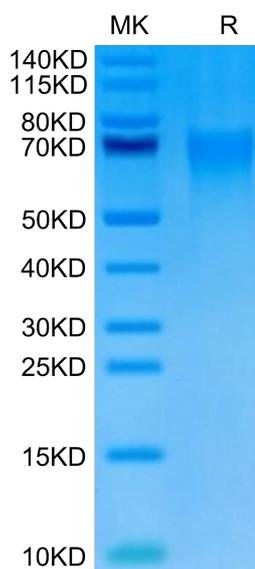
## Formulation and Storage

<b>Formulation</b>	Lyophilized from 0.22 $\mu\text{m}$ filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
<b>Reconstitution</b>	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
<b>Storage</b>	-20 to -80°C for 24 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

## Background

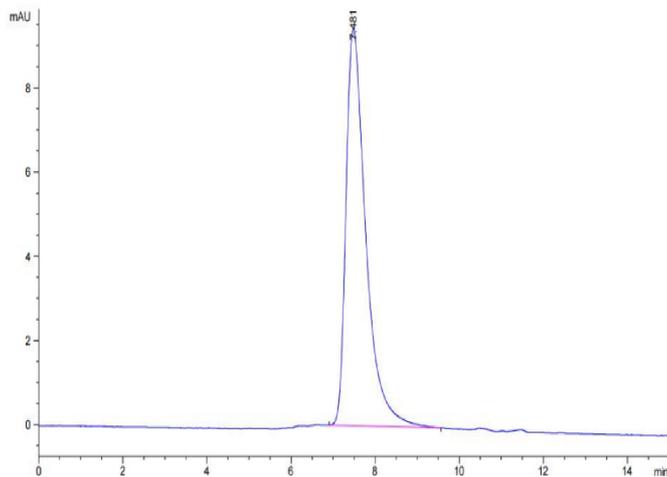
beta-amyloid precursor protein (APP) and death receptor 6 (DR6, also known as TNFRSF21) activate a widespread caspase-dependent self-destruction program. DR6 is broadly expressed by developing neurons, and is required for normal cell body death and axonal pruning both in vivo and after trophic-factor deprivation in vitro. DR6 is activated locally by an inactive surface ligand(s) that is released in an active form after trophic-factor deprivation.

## Assay Data



Cynomolgus DR6 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

Assay Data

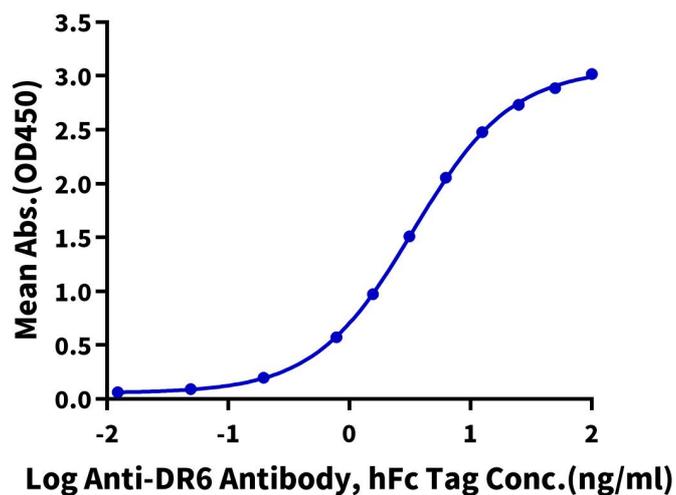


The purity of Cynomolgus DR6 is greater than 95% as determined by SEC-HPLC.

ELISA Data

**Cynomolgus DR6, His Tag ELISA**

0.05µg Cynomolgus DR6, His Tag Per Well



Immobilized Cynomolgus DR6, His Tag at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Anti-DR6 Antibody, hFc Tag with the EC50 of 3.4ng/ml determined by ELISA.