

Human DR6/TNFRSF21 Protein

Cat. No. DR6-HM101

Description

Source	Recombinant Human DR6/TNFRSF21 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Gln42-His349.
Accession	O75509
Molecular Weight	The protein has a predicted MW of 34.3 kDa. Due to glycosylation, the protein migrates to 65-80 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE

Formulation and Storage

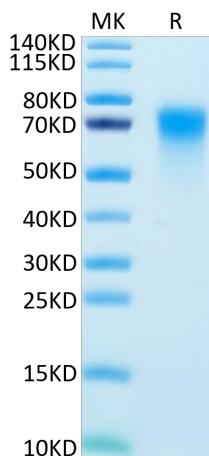
Formulation	Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 $\mu\text{g}/\text{ml}$ is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -20 to -80°C for 3-6 months in unopened state after reconstitution. 2-8°C for 2-7 days 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

Tris-Bis PAGE

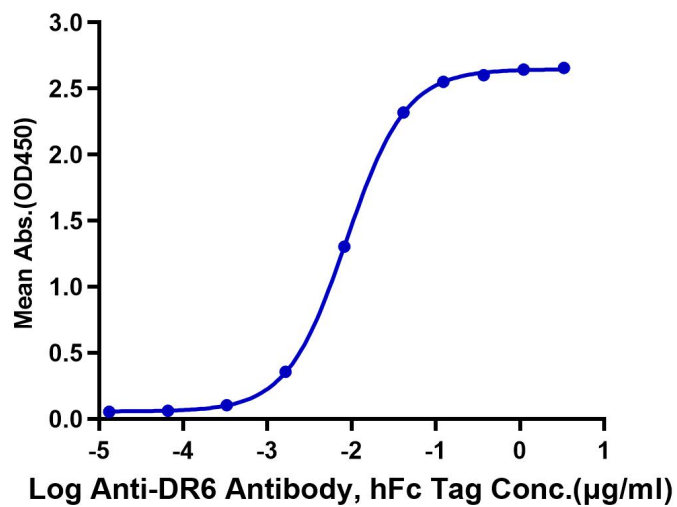


Human DR6 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

ELISA Data

Human DR6, His Tag ELISA

0.05 μ g Human DR6, His Tag Per Well



Immobilized Human DR6, His Tag at 0.5 μ g/ml (100 μ l/well) on the plate. Dose response curve for Anti-DR6 Antibody, hFc Tag with the EC50 of 8.7ng/ml determined by ELISA.