

## ROR1 Protein, Human, Recombinant (hFc & Avi), Biotinylated

### General Information

Synonyms:	receptor tyrosine kinase-like orphan receptor 1;dj537f10.1;NTRKR1
Protein Construction:	A DNA sequence encoding the Human ROR1 (NP_005003.2)(Met1-Glu403) was expressed with a c-terminal AVI tagged Fc region of human IgG1 at the C-terminus (Fc-AVI). The expressed protein was biotinylated in vivo by the Biotin-Protein ligase (BirA enzyme) which is co-expressed. Predicted N terminal: Gln 30
Species:	Human
Expression Host:	HEK293 Cells
Accession:	NP_005003.2
Molecular Weight:	70.53 kDa (predicted); 85.43 kDa (reducing conditions)

### QC Testing

Biological Activity:	Immobilized ROR1 Antibody, Rabbit PAb, Antigen Affinity Purified at 2 µg/mL (100 µL/well) can bind Recombinant Human ROR1 Protein (Fc & AVI Tag), Biotinylated, the EC50 is 1.1-3.3 ng/mL.
Purity:	≥ 95 % as determined by SDS-PAGE. ≥ 90 % as determined by SEC-HPLC.
Endotoxin:	< 1.0 EU/µg of the protein as determined by the LAL method.
Formulation:	Lyophilized from a solution filtered through a 0.22 µm filter, containing PBS, pH 7.4. Typically, a mixture containing 5% to 8% trehalose, mannitol, and 0.01% Tween 80 is incorporated as a protective agent before lyophilization.

### Preparation and Storage

Reconstitution:	A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.
Stability & Storage:	<p>It is recommended to store recombinant proteins at -20°C to -80°C for future use. Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.</p> <p><small>Actual storage temperature shall be subject to the COA.</small></p>
Shipping:	In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

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