

Synonym

ROR2,NTRKR2

Source

Human ROR2, His Tag(RO2-H52E5) is expressed from human 293 cells (HEK293). It contains AA Glu 34 - Gly 403 (Accession # [NP_004551.1](#)).

Predicted N-terminus: Glu 34

Molecular Characterization

ROR2(Glu 34 - Gly 403)
NP_004551.1 Poly-his

This protein carries a polyhistidine tag at the C-terminus

The protein has a calculated MW of 43.2 kDa. The protein migrates as 55 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

Endotoxin

Less than 1.0 EU per µg by the LAL method.

Purity

>95% 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.

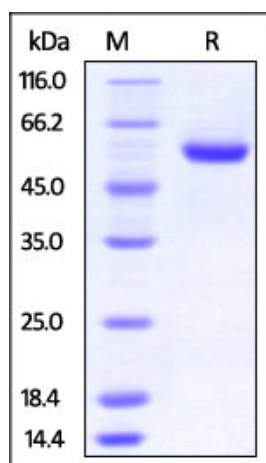
Storage

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

Please avoid repeated freeze-thaw cycles.

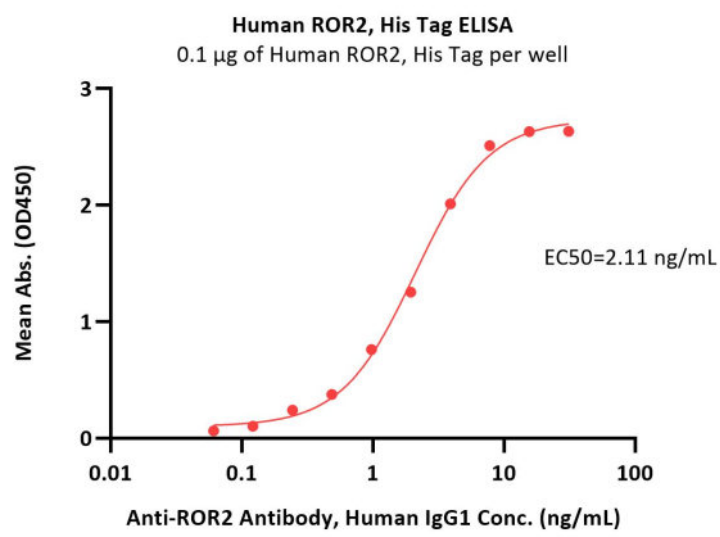
This product is stable after storage at:

- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

SDS-PAGE

Human ROR2, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95%.

Bioactivity-ELISA



Immobilized Human ROR2, His Tag (Cat. No. RO2-H52E5) at 1 µg/mL (100 µL/well) can bind Anti-ROR2 Antibody, Human IgG1 with a linear range of 0.1-4 ng/mL (QC tested).

Background

Tyrosine-protein kinase transmembrane receptor ROR2 is also known as Neurotrophic tyrosine kinase, receptor-related 2 (NTRKR2), which belongs to the protein kinase superfamily and Tyr protein kinase family and ROR subfamily. ROR2 is a homodimer protein, which can binds YWHAB or interact with WTIP. ROR2 may be involved in the early formation of the chondrocytes. It seems to be required for cartilage and growth plate development.

Clinical and Translational Updates

Please contact us via TechSupport@acrobiosystems.com if you have any question on this product.