

Synonym

ROR2,NTRKR2

Source

Mouse ROR2, Fc Tag (RO2-M5253) is expressed from human 293 cells (HEK293). It contains AA Glu 34 - Gly 403 (Accession # [Q9Z138-1](#)).

Predicted N-terminus: Glu 34

Molecular Characterization

ROR2(Glu 34 - Gly 403) Q9Z138-1	Fc(Pro 100 - Lys 330) P01857
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This protein carries a human IgG1 Fc tag at the C-terminus.

The protein has a calculated MW of 67.6 kDa. The protein migrates as 70-100 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 Tris with Glycine, Arginine and NaCl, pH7.5. Normally trehalose is added as protectant before lyophilization.

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

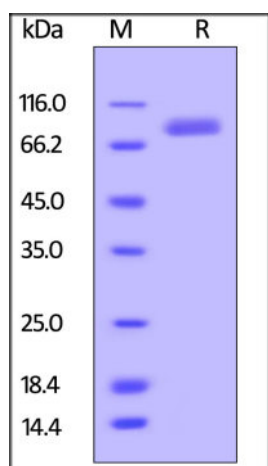
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

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



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

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.

References

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