

RP02156

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Recombinant Human ROR2 Protein

Catalog No.: RP02156 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
HEK293 cells	4920	Q01974

Tags

C-His

Synonyms

BDB; BDB1;
NTRKR2;ROR2;BDB1;NTRKR2

Background

Receptor Tyrosine Kinase-like Orphan Receptor 2 (ROR2) belongs to the protein kinase superfamily, Tyr protein kinase family and ROR subfamily. It is a member of the ROR family of receptor tyrosine kinases and is important for skeletal development, including bone and cartilage formation, as well as for the development of the central nervous system. ROR2 promotes osteogenesis, binds YWHAB and interacts with WTIP. ROR2 is broadly expressed during embryonic development and can be found in cells of all three germ layers as well as in most organ tissues. Activation of ROR2 signaling promotes cellular proliferation, differentiation, cell polarization, and migration. ROR2 has also been shown to have very little tyrosine kinase activity in vitro and may act as a receptor for wnt ligand WNT5A which may result in the inhibition of WNT3A-mediated signaling.

Product Information

Source	Purification
	≥ 95 % as determined by SDS-PAGE.

Endotoxin

< 1 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4. Contact us for customized product form or formulation.

Reconstitution

Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize freeze-thaw cycles.

Basic Information

Description

Recombinant Human ROR2 Protein is produced by Mammalian expression system. The target protein is expressed with sequence (Glu34-Gly403) of human ROR2 (Accession #Q01974) fused with a 6xHis tag at the C-terminus.

Bio-Activity

Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week. Avoid repeated freeze/thaw cycles.

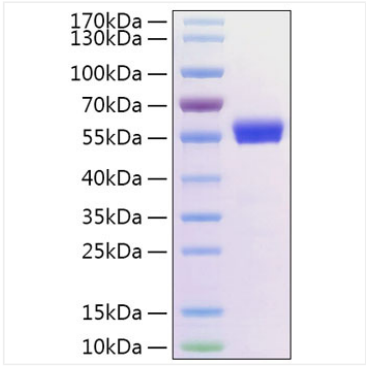
Contact



www.abclonal.com

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Validation Data



Recombinant Human ROR2 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.