

Recombinant Human ROR1 protein (His Tag)

Catalog Number: Eg1610

Basic Information

Species:
Human**Purity:**
>90 %, SDS-PAGE**Tag:**
His Tag

Technical Specifications

Purity:

>90 %, SDS-PAGE

Endotoxin Level:

<0.1 EU/ µg protein, LAL method

Source:

HEK293-derived Human ROR1 protein Gln30-Glu403 (Accession# Q01973-1) with a His tag at the C-terminus.

GeneID:

4919

Accession:

Q01973-1

Predicted Molecular Mass:

43.1 kDa

SDS-PAGE:

50-65 kDa, reducing (R) conditions

Formulation:

Lyophilized from 0.22 µm filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

Biological Activity

Not tested

Storage and Shipping

Storage:

It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20°C to -80°C as lyophilized proteins.
- 3 months, -20°C to -80°C under sterile conditions after reconstitution.

Shipping:

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

Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

Background

ROR1 is a member of the RTK family of orphan receptors related to muscle-specific kinase and Trk neurotrophin receptors. ROR1 is primarily expressed by neural crest cells during embryogenesis. High expression of ROR1 is reported in many types of malignancies and is thought to be involved in tumor growth, apoptosis, and epithelial-mesenchymal transition. The human ROR1 gene encodes a 937 amino acid protein with an Ig-like domain, a cysteine-rich domain, a kringle domain, a tyrosine kinase domain, and a proline-rich domain.

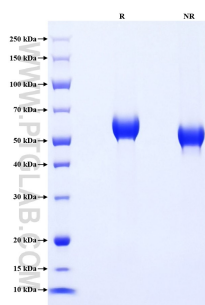
References

1. P Masiakowski, et al. (1992) J Biol Chem. 267(36):26181-90.
2. Amir H Daneshmanesh, et al. (2008) Int J Cancer. 123(5):1190-5.
3. Nicholas Borchering, et al. (2014) Protein Cell. 5(7):496-502.
4. Hyeyoon Chang, et al. (2015) Ann Diagn Pathol. 19(5):330-4.

Synonyms

ROR1, Inactive tyrosine-protein kinase transmembrane receptor ROR1, Neurotrophic tyrosine kinase, receptor-related 1, NTRKR1

Selected Validation Data



Purity of Recombinant Human ROR1 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.

For technical support and original validation data for this product please contact

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