

Recombinant Human ROR1 Protein (His Tag)

Catalog Number:PKSH033647



Note: Centrifuge before opening to ensure complete recovery of vial contents.

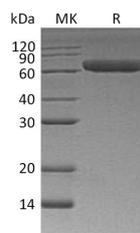
Description

| | |
|------------------------------------|--|
| Synonyms | Inactive tyrosine-protein kinase transmembrane receptor ROR1;Neurotrophic tyrosine kinase;receptor-related 1;ROR1;NTRKR1 |
| Species | Human |
| Expression Host | HEK293 Cells |
| Sequence | Gln30-Glu403 |
| Accession | Q01973 |
| Calculated Molecular Weight | 42.8 kDa |
| Observed molecular weight | 60-80 kDa |
| Tag | C-His |

Properties

| | |
|-----------------------|---|
| Purity | > 95 % as determined by reducing SDS-PAGE. |
| Endotoxin | < 1.0 EU per µg of the protein as determined by the LAL method. |
| Storage | Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months. |
| Shipping | This product is provided as lyophilized powder which is shipped with ice packs. |
| Formulation | Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual. |
| Reconstitution | Please refer to the printed manual for detailed information. |

Data



> 95 % as determined by reducing SDS-PAGE.

Background

Receptor tyrosine kinase-like orphan receptor 1 (ROR1); also known as neurotrophic tyrosine kinase; it is a member of the ROR family within receptor tyrosine kinases (RTK) superfamily. Human ROR1 is a type I transmembrane protein with 937 amino acids (aa) in length. It contains a 29 aa signal sequence; a 377 aa extracellular domain (ECD); a 21 aa transmembrane segment; and a 510 aa cytoplasmic region. ROR1 expressed strongly in human heart; lung and kidney; but weakly in the CNS. At developmental stage; it expressed at high levels during early embryonic development. ROR1 has been shown to have very low kinase activity in vitro and is unlikely to function as a tyrosine kinase in vivo. It may act as a receptor for wnt ligand WNT5A which may result in the inhibition of WNT3A-mediated signaling.

For Research Use Only

A Reliable Research Partner in Life Science and Medicine

Toll-free: 1-888-852-8623

Web: www.elabscience.com

Tel: 1-832-243-6086

Email: techsupport@elabscience.com

Fax: 1-832-243-6017