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Datasheet for ABIN7538506
ROR2 Protein (AA 34-403) (His tag)

1 Image

Overview

| | |
|-------------------------------|---|
| Quantity: | 50 µg |
| Target: | ROR2 |
| Protein Characteristics: | AA 34-403 |
| Origin: | Mouse |
| Source: | Mammalian Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This ROR2 protein is labelled with His tag. |

Product Details

| | |
|------------------|---|
| Purpose: | Recombinant mouse ROR2 protein with C-terminal 6xHis tag |
| Specificity: | Mouse ROR2 (Glu34-Gly403) 6xHis tag |
| Characteristics: | Extracellular Domain Protein |
| Purification: | Purified from cell culture supernatant by affinity chromatography |
| Purity: | The purity of the protein is greater than 85 % as determined by SDS-PAGE and Coomassie blue staining. |

Target Details

| | |
|-------------------|--|
| Target: | ROR2 |
| Alternative Name: | ROR2 (ROR2 Products) |
| Background: | Enables Wnt-protein binding activity, frizzled binding activity, and mitogen-activated protein |

Target Details

kinase kinase kinase binding activity. Involved in positive regulation of canonical Wnt signaling pathway and positive regulation of transcription, DNA-templated. Acts upstream of or within several processes, including cartilage condensation, cell surface receptor signaling pathway, and embryonic morphogenesis. Predicted to be located in several cellular components, including dendrite, microtubule, and neuronal cell body. Predicted to be part of receptor complex. Predicted to be integral component of plasma membrane. Is expressed in several structures, including alimentary system, embryo mesenchyme, genitourinary system, neural ectoderm, and sensory organ. Used to study autosomal recessive Robinow syndrome. Human ortholog(s) of this gene implicated in autosomal recessive Robinow syndrome, brachydactyly type B1, and cleft palate. Orthologous to human ROR2 (receptor tyrosine kinase like orphan receptor 2). [provided by Alliance of Genome Resources, Apr 2022]

Molecular Weight: predicted molecular mass of 42.0 kDa after removal of the signal peptide. The apparent molecular mass of mROR2-His is 35-55 kDa due to glycosylation.

UniProt: [Q9Z138](#)

Pathways: [RTK Signaling](#), [WNT Signaling](#)

Application Details

Restrictions: For Research Use only

Handling

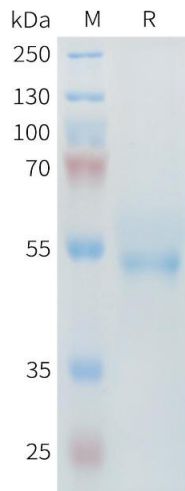
Format: Lyophilized

Buffer: Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.

Storage: -20 °C,-80 °C

Storage Comment: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

Expiry Date: 12 months



SDS-PAGE

Image 1. Mouse Protein, His Tag on SDS-PAGE under reducing condition.