

PRODUCT INFORMATION

Target	ROR2
Synonyms	Ntrkr2
Description	Recombinant mouse ROR2 protein with C-terminal 6×His tag
Delivery	In Stock
Uniprot ID	Q9Z138
Expression Host	HEK293
Tag	C-6×His Tag
Molecular Characterization	Mouse ROR2(Glu34-Gly403) 6×His tag
Molecular Weight	The protein has a predicted molecular mass of 42.0 kDa after removal of the signal peptide. The apparent molecular mass of mROR2-His is approximately 35-55 kDa due to glycosylation.
Purity	The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution	Lyophilized from sterile PBS, pH 7.4. Normally 5% - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
Storage & Shipping	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.
Background	Enables Wnt-protein binding activity; frizzled binding activity; and mitogen-activated protein 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]
Usage	Research use only



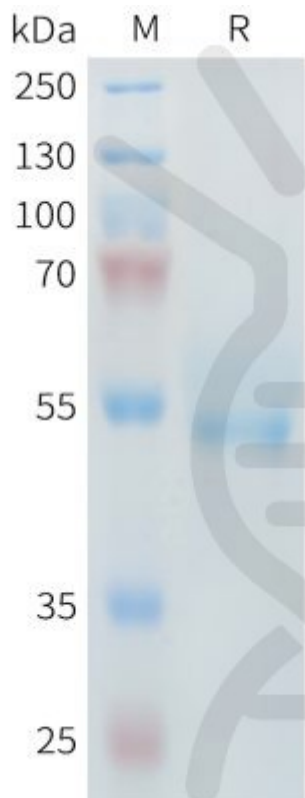


Figure 1. Mouse ROR2 Protein, His Tag on SDS-PAGE under reducing condition.

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