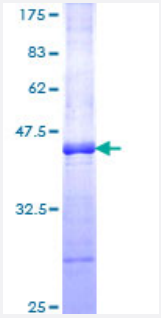
ROR2 (Human) Recombinant Protein (Q01)

Catalog # H00004920-Q01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human ROR2 partial ORF (NP_004551, 34 a.a. - 143 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	EVEVLDPNDPLGPLDGQDGPIPTLKGYFLNFLEPVNNITIVQGQTAILHCKVAGNPPPNVRWLKND APVVQEPRRIIIRKTEYGSRLRIQDLDTTDTGYYQCVATNGMKT
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	37.84
Interspecies Antigen Sequence	Mouse (88); Rat (89)
Preparation Method	*in vitro* wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — ROR2

Entrez GeneID	4920
GeneBank Accession#	NM_004560
Protein Accession#	NP_004551
Gene Name	ROR2
Gene Alias	BDB, BDB1, MGC163394, NTRKR2
Gene Description	receptor tyrosine kinase-like orphan receptor 2
Omim ID	113000 268310 602337
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a receptor protein tyrosine kinase and type I transmembrane protein that belongs to the ROR subfamily of cell surface receptors. The protein may be involved i n the early formation of the chondrocytes and may be required for cartilage and growth plate devel opment. Mutations in this gene can cause brachydactyly type B, a skeletal disorder characterized by hypoplasia/aplasia of distal phalanges and nails. In addition, mutations in this gene can cause t he autosomal recessive form of Robinow syndrome, which is characterized by skeletal dysplasia with generalized limb bone shortening, segmental defects of the spine, brachydactyly, and a dysm orphic facial appearance. [provided by RefSeq
Other Designations	OTTHUMP00000021634|OTTHUMP00000063680|neurotrophic tyrosine kinase receptor-related 2|tyrosine-protein kinase transmembrane receptor ROR2

Disease

- Cerebral Hemorrhage

- Chronic Disease
- Cleft Lip
- Cleft Palate
- Genetic Predisposition to Disease
- Hypertension
- Intracranial Hemorrhages
- Kidney Diseases
- Stroke
- Subarachnoid Hemorrhage