

Recombinant Human ROR2 protein, His & GST-tagged

Cat. No. ROR2-1184H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human ROR2 aa. (Trp683~Val934 fused with N-terminal His & GST tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Trp683~Val934
Description	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 in the early formation of the chondrocytes and may be required for cartilage and growth plate development. 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 the 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 dysmorphic facial appearance.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 57.6KDa.
Endotoxin	<1.0EU per 1g (determined by the LAL method)

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Purity	>95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	ROR2 receptor tyrosine kinase like orphan receptor 2 [Homo sapiens (human)]
Official Symbol	ROR2
Synonyms	ROR2; receptor tyrosine kinase like orphan receptor 2; BDB; BDB1; NTRKR2; tyrosine-protein kinase transmembrane receptor ROR2; neurotrophic tyrosine kinase receptor-related 2
Gene ID	4920
mRNA Refseq	NM_001318204.1
Protein Refseq	NP_001305133.1

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UniProt ID

Q01974

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