

Recombinant Full Length Human ROR2 Protein, His-tagged

Cat. No. ROR2-433H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human ROR2 protein with His tag was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	943
Description	<p>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.</p>
Form	Lyophilized
Molecular Mass	43.1 kDa
AA Sequence	<p>MARGSALPRRPLLCIPAVWAAAALLLSVSRTSGEVEVLDPNDPLGPLDGQDGIPTL KGYFLNFLEPVNNITIVQGQTALHCKVAGNPPPNVRWLKNDAPVVQEPRIIRKTEY GSRLRIQDLDTTDTGYQQCVATNGMKTITATGVLFVRLGPTHSPNHNFQDDYHEDG</p>

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FCQPYRGIACARFIGNRTIYVDSLQMQGEIENRITAAFTMIGTSTHLSDQCSQFAIPSF
 CHFVFPLCDARSRTPKPRELCRDECEVLES DLCRQEYTIARSNPLILMRLQLPKCEA
 LPMPEPDAANCMRIGIPAERLGRYHQCYNGSGMDYRGTASTTKSGHQCPWALQ
 HPHSHHLSSTDFPELGGGHAYCRNPGGQMEGPWCFTQKNKVRMELCDVPSCSPR
 DSSKMGILYILVPSIAIPLVIACLFFLVCMCRNKQKASASTPQRRQLMASPSQDMEMP
 LINQHKQAKLKEISLSAVRFMEELGEDRFGKVYKGHLFGPAPGEQTQAVAIKTLKDK
 AEGPLREEFRHEAMLRARLQHPNVVCLLGVVTKDQPLSMIFS YCSHGDLHEFLVMR
 SPHSDVGSTDDDR TVKSALEPPDFVHLVAQIAAGMEYLSSHVVHKDLATRNVLVY
 DKLNVKISDLGLFREYVAADYYKLLGN SLLPIRWMAP EAIMYGKFSIDSDIWSYGVVL
 WEVFSYGLQP YCGYSNQDVVEMIRNRQVLPCPDDCPAWVYALMIECWNEFPSRRP
 RFKDIHSRLRAWGNLSNYNSSAQTSGASNTTQTSSLSTSPVSNVSNARYVGP KQKA
 PFPQPQFIPMKGQIRPMVPPPQLYVPVNGYQVPV PAYGAYLPNFYVPVQIPMQMAPQ
 QVPPQMVPKPSHHSGSGSTSTGYVTTAPSNTSMADRAALLSEGADDTQNAPEDG
 AQSTVQEAEEEEEGSVPETELLGDCDTLQVDEAQVQLEA

Purity > 98%

Applications WB; ELISA; FACS; FC

Stability This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term). After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18 centigrade for future use.

Storage At -20 centigrade.

Concentration 1 mg/mL

Storage Buffer PBS (pH 7.4-7.5). Sterile-filtered colorless solution.

Reconstitution Reconstitute in sterile distilled H2O to no less than 100 µg/mL; dilute reconstituted

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stock further in other aqueous solutions if needed. Please review COA for lot-specific instructions. Final measurements should be determined by the end-user for optimal performance.

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; BDB; BDB1; NTRKR2; MGC163394;
Gene ID	4920
mRNA Refseq	NM_004560
Protein Refseq	NP_004551
MIM	602337
UniProt ID	Q01974

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