Recombinant Full Length Human ROR2 Protein, C-Flag-tagged

Cat. No. ROR2-1130HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human ROR2 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	101.3 kDa
AA Sequence	MARGSALPRRPLLCIPAVWAAAALLLSVSRTSGEVEVLDPNDPLGPLDGQDGPIPTL KGYFLNFLEPVNN ITIVQGQTAILHCKVAGNPPPNVRWLKNDAPVVQEPRRIIIRKTE YGSRLRIQDLDTTDTGYYQCVATNG MKTITATGVLFVRLGPTHSPNHNFQDDYHED GFCQPYRGIACARFIGNRTIYVDSLQMQGEIENRITAAF TMIGTSTHLSDQCSQFAIP

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	SFCHFVFPLCDARSRAPKPRELCRDECEVLESDLCRQEYTIARSNPLILMR LQLPKC EALPMPESPDAANCMRIGIPAERLGRYHQCYNGSGMDYRGTASTTKSGHQCQPWA LQHPHSHHL SSTDFPELGGGHAYCRNPGGQMEGPWCFTQNKNVRMELCDVPSC SPRDSSKMGILYILVPSIAIPLVIAC LFFLVCMCRNKQKASASTPQRRQLMASPSQDM EMPLINQHKQAKLKEISLSAVRFMEELGEDRFGKVYKG HLFGPAPGEQTQAVAIKTL KDKAEGPLREEFRHEAMLRARLQHPNVVCLLGVVTKDQPLSMIFSYCSHGD LHEFL VMRSPHSDVGSTDDDRTVKSALEPPDFVHLVAQIAAGMEYLSSHHVVHKDLATRNV LVYDKLNVK ISDLGLFREVYAADYYKLLGNSLLPIRWMAPEAIMYGKFSIDSDIWSYG VVLWEVFSYGLQPYCGYSNQD VVEMIRNRQVLPCPDDCPAWVYALMIECWNEFPS RRPRFKDIHSRLRAWGNLSNYNSSAQTSGASNTTQT SSLSTSPVSNVSNARYVGP KQKAPPFPQPQFIPMKGQIRPMVPPPQLYIPVNGYQPVPAYGAYLPNFYPV QIPMQ MAPQQVPPQMVPKPSSHHSGSGSTSTGYVTTAPSNTSMADRAALLSEGADDTQNA PEDGAQSTVQ EAEEEEEGSVPETELLGDCDTLQVDEAQVQLEATRTRPLEQKLISEEDLAANDILDYK DDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, Protein Kinase, Transmembrane

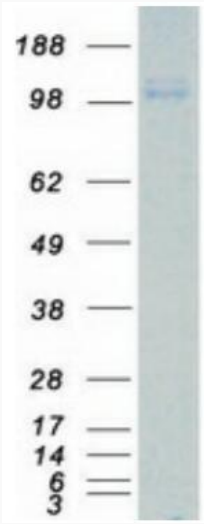
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Full Length	Full L.

GENE INFORMATION

Gene Name	ROR2 receptor tyrosine kinase like orphan receptor 2 [Homo sapiens (human)]
Official Symbol	ROR2
Synonyms	BDB; BDB1; NTRKR2
Gene ID	4920
mRNA Refseq	NM_004560.4
Protein Refseq	NP_004551.2
MIM	602337
UniProt ID	Q01974

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Coomassie blue staining of purified ROR2 protein.

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