

Recombinant Human ROR2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. ROR2-5808H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	ROR2 MS Standard C13 and N15-labeled recombinant protein (NP_004551) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	104.74 kDa
AA Sequence	MARGSALPRRPLLCIPAVWAAAALLLSVSRTSGEVEVLDPNPLGPLDGQDGPITL KGYFLNFLEPVNNITIVQGQTALHCKVAGNPPPNVRWLKNDAPVVQEPRRIIRKTEY GSRLRIQDLDTTDTGYQCVATNGMKTITATGVLFVRLGPTHSPNHNFDQDDYHEDG FCQPYRGIACARFIGNRTIYVDSLQMGEIENRITAAFTMIGTSTHLSDQCSQFAIPSF

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

CHFVFPLCDARSRAPKPRELCRDECEVLES DLCRQEYTIARSNPLILMRLQLPKCEA
 LMPESPDAANCMRIGIPAERLGRYHQCYNGSGMDYRG TASTTKSGHQCPWALQ
 HPHSHHLSSTDFPELGGGHAYCRNPGGQMEGPWCFTQNKNVRMELCDVPSCSPR
 DSSKM GILYILVPSIAIPLVIACLFFLVCMCRNKQKASASTPQRRQLMASPSQDMEMP
 LINQHKQAKLKEISLSAVRFMEELGEDRFGKVYKGHLFGPAPGEQTQAVAIKTLKDK
 AEGPLREEFRHEAMLRARLQHPNVVCLLG VVT KDQPLSMIFS YCSHGDLHEFLVMR
 SPHSDVGSTDDDRTVKSAL EPPDFVHLVAQIAAGMEYLSSHVVHKDLATRNVLVY
 DKLNVKISDLGLFRE VYAADYYKLLGNSLLPIRWMAPEAIMYGKFSIDSDIWSYGVVL
 WEVFSYGLQPYCGYSNQDVVEMIRNRQVLPCPDDCPAWVYALMIECWNEFP SRRP
 RFKDIHSRLRAWGNLSNYNSSAQTSGASNTTQTSSLSTSPVSNVSNARYVGPKQKA
 PPFPQPQFIPMKGQIRPMVPPPQLYIPVNGYQVPVAYGAYLPNFYVPVQIPMQMAPQ
 QVPPQMVPKPSSHSGSGSTSTGYVTTAPSN TSMADRAALLSEGADDTQNAPEDG
 AQSTVQEAE EEEEGSVPETELLGDCDTLQVDEAQVQLEATRTRPLEQKLISEEDLAA
 NDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name ROR2 receptor tyrosine kinase-like orphan receptor 2 [Homo sapiens (human)]

Official Symbol ROR2

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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
SDS-PAGE	