Recombinant Human ROR2 Protein, hFc-tagged, FITC conjugated

Cat. No. ROR2-183HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	FITC conjugated recombinant human ROR2 (Glu34-Gly403) protein was fused to human IgG1 Fc tag at C-terminus and expressed in human 293 cells (HEK293).
Species	Human
Source	HEK293
ProteinLength	Glu34-Gly403
Description	Tyrosine-protein kinase transmembrane receptor ROR2 is also known as Neurotrophic tyrosine kinase, receptor-related 2 (NTRKR2), which belongs to the protein kinase superfamily and Tyr protein kinase family and ROR subfamily. ROR2 is a homodimer protein, which can binds YWHAB or interact with WTIP. ROR2 may be involved in the early formation of the chondrocytes. It seems to be required for cartilage and growth plate development.
Form	Lyophilized
Molecular Mass	The protein has a calculated MW of 68 kDa. The protein migrates as 80-90 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
N-terminal Sequence Analysis	Glu 34

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Endotoxin	< 1.0 EU/ μg by the LAL method.
Purity	> 95 % as determined by SDS-PAGE
Characteristic	Disulfide-linked homodimer Labeled with FITC via amines Excitation source: 488 nm spectral line, argon-ion laser Excitation Wavelength: 488 nm Emission Wavelength: 535 nm
Storage	For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower. Please avoid repeated freeze-thaw cycles. This product is stable after storage at: -20 to -70 centigrade for 12 months in lyophilized state; -70 centigrade for 3 months under sterile conditions after reconstitution.
Storage Buffer	Lyophilized from 0.22 μm filtered solution in Tris with Glycine, Arginine and NaCl, pH7.5, 10% trehalose.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 μg/μL. Centrifuge the vial at 4 centigrade before opening to recover the entire contents.
Conjugation	FITC

GENE INFORMATION

Gene Name	ROR2
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

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