Datasheet for ABIN7597266

ROR2 Protein (AA 34-168) (Fc Tag)

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Overview

Quantity:	10 µg
Target:	ROR2
Protein Characteristics:	AA 34-168
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ROR2 protein is labelled with Fc Tag.

Product Details

Purpose:	Recombinant human ROR2(34-168) Protein with C-terminal human Fc tag
Sequence:	ROR2(Glu34-Tyr168) hFc(Glu99-Ala330)
Purity:	The purity of the protein is greater than 95 % as determined by SDS-PAGE and Coomassie blue staining.

Target Details

Target:	ROR2
Alternative Name:	ROR2 (ROR2 Products)
Background:	BDB, BDB1, NTRKR2 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

Target Details

	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. [provided by RefSeq, Jul 2008]
Molecular Weight:	predicted molecular mass of 41.2 kDa after removal of the signal peptide. The apparent molecular mass of ROR2(34-168)-hFc is 35-55 kDa due to glycosylation.
UniProt:	Q01974
Pathways:	RTK Signaling, WNT Signaling

Application Details

Application Notes:	Extracellular Domain Proteins (ECD) can be used as: • Immunogens for antibody drug development • Reagents used for CAR-T positive cell monitoring • Reagents for antibody screening and functional testing • Reagents for antibody affinity measurement
Comment:	The protein was made using HEK293 mammalian cell secretion expression system to ensure the close-to-native structures and post-translational modifications of the target protein.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Buffer:	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Expiry Date:	12 months