Datasheet for ABIN7597345

FGFR2 Protein (AA 313-363) (Fc Tag)

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Overview

Quantity:	10 µg
Target:	FGFR2
Protein Characteristics:	AA 313-363
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This FGFR2 protein is labelled with Fc Tag.

Product Details

Purpose:	Recombinant human FGFR2(313-363) Protein with C-terminal human Fc tag
Sequence:	FGFR2(Lys313-Ala363) 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:	FGFR2
Alternative Name:	FGFR2 (FGFR2 Products)
Background:	FGFR2IIIb, BEK, JWS, BBDS, CEK3, CFD1, ECT1, KGFR, TK14, TK25, BFR-1, CD332, K-SAM The protein encoded by this gene is a member of the fibroblast growth factor receptor family, where amino acid sequence is highly conserved between members and throughout evolution. FGFR family members differ from one another in their ligand affinities and tissue distribution. A

Target Details

	full-length representative protein consists of an extracellular region, composed of three immunoglobulin-like domains, a single hydrophobic membrane-spanning segment and a cytoplasmic tyrosine kinase domain. The extracellular portion of the protein interacts with fibroblast growth factors, setting in motion a cascade of downstream signals, ultimately influencing mitogenesis and differentiation. This particular family member is a high-affinity receptor for acidic, basic and/or keratinocyte growth factor, depending on the isoform. Mutations in this gene are associated with Crouzon syndrome, Pfeiffer syndrome, Craniosynostosis, Apert syndrome, Jackson-Weiss syndrome, Beare-Stevenson cutis gyrata syndrome, Saethre-Chotzen syndrome, and syndromic craniosynostosis. Multiple alternatively spliced transcript variants encoding different isoforms have been noted for this gene. [provided by RefSeq, Jan 2009]
Molecular Weight:	predicted molecular mass of 31.6 kDa after removal of the signal peptide. The apparent molecular mass of FGFR2(313-363)-hFc is 35-55 kDa due to glycosylation.
UniProt:	P21802-3
Pathways:	RTK Signaling, Fc-epsilon Receptor Signaling Pathway, EGFR Signaling Pathway, Neurotrophin Signaling Pathway, Regulation of Muscle Cell Differentiation, Skeletal Muscle Fiber Development, Growth Factor Binding

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

Handling

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