

PRODUCT INFORMATION

Target FGFR2

Synonyms FGFR2IIIc; BEK; JWS; BBDS; CEK3; CFD1; ECT1; KGFR; TK14; TK25; BFR-1; CD332; K-SAM; FGFR2

DescriptionRecombinant human FGFR2 Protein with C-

terminal 6×His tag

Delivery In Stock
Uniprot ID P21802-1
Expression Host HEK293
Tag C-6×His Tag

Molecular

Purity

Background

Characterization FGFR2(Arg22-Asp374) 6×His tag

The protein has a predicted molecular mass of 39.9 kDa after removal of the signal peptide. The apparent molecular mass of FGFR2-His is

apparent molecular mass of FGFR2-His is approximately 55-100 kDa due to glycosylation.

The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue

staining.

Formulation & ReconstitutionLyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis

for specific instructions of reconstitution. Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not

Storage & Shipping intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient

temperature.

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 full-length representative protein consists of an extracellular region, compassed of three

extracellular region, composed of three immunoglobulin-like domains, a single

hydrophobic membrane-spanning segment and a cytoplasmic tyrosine kinase domain. The

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

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, 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

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by RefSeq, Jan 2009]

Usage Research use only
Conjugate Unconjugated

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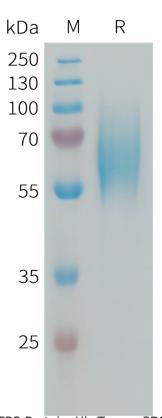


Figure 1. Human FGFR2 Protein, His Tag on SDS-PAGE under reducing condition.

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