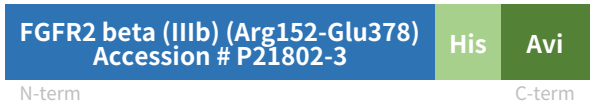
Rev02
Update: Aug,08,2025

DATASHEET

FGFR2 beta (IIIb)[Biotin], His & Avi, Human

Cat. No.: Z04086

Product Introduction

Species	Human
Protein Construction	
Conjugate	Biotin
Purity	> 95% as determined by BisTris PAGE > 95% as determined by HPLC
Endotoxin Level	Less than 1EU per μg by the LAL method.
Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized AntiFGFR2 IIIb Antibody, hFc Tag at 1μg/ml (100μl/well) on the plate can bind FGFR2 beta (IIIb)[Biotin], His & Avi, Human. Test result was comparable to standard batch.
Expression System	HEK293
Theoretical Molecular Weight	28.3 kDa
Apparent Molecular Weight	Due to glycosylation, the protein migrates to 48-60 kDa based on Bis-Tris PAGE result.
Formulation	Lyophilized from 0.22μm filtered solution in PBS (pH 7.4).
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage & Stability	Upon receiving, the product remains stable up to 6 months at -20 °C or below. Upon reconstitution, the product should be stable for 3 months at -80 °C. Avoid repeated freeze-thaw cycles.

Background

Target Background : Four distinct genes encoding closely related FGF receptors, FGF R1 - 4, are known. All four genes for FGF Rs encode proteins with an N-terminal signal peptide, three immunoglobulin (Ig)-like domains, an acid-box region containing a run of acidic residues between the IgI and IgII domains, a transmembrane domain and the split tyrosine-kinase domain. Multiple forms of FGF R1 - 3 are generated by alternative splicing of the mRNAs. A frequent splicing event involving FGF R1 and 2 results in receptors containing all three Ig domains, referred to as the alpha isoform, or only IgII and IgIII, referred to as the beta isoform.

Synonyms : Fibroblast growth factor receptor 2;FGFR-2;KGFR;K-sam;Keratinocyte growth factor receptor;CD332;BEK;KSAM

For research use only. Not intended for human or animal clinical trials, therapeutic or diagnostic use.

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