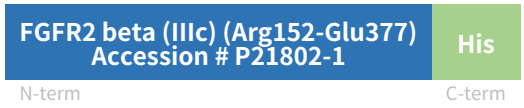
Rev02
Update: Aug,08,2025

DATASHEET

FGFR2 beta (IIIc), His, Human

Cat. No.: Z04260

Product Introduction

Species	Human
Protein Construction	
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 Human FGF basic, No Tag at 5μg/ml (100μl/well) on the plate can bind FGFR2 beta (IIIc), His, Human. Test result was comparable to standard batch.
Expression System	HEK293
Theoretical Molecular Weight	26.4 kDa
Apparent Molecular Weight	Due to glycosylation, the protein migrates to 45-60 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

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