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Product Information

MemDX™ Membrane Protein Human FGFR3 (Fibroblast growth factor receptor 3) Expressed in *E.coli* with 6xHis and B2M tag at the N-terminus for Antibody Discovery, Partial (397-806aa)

Cat. No.: **MPX4635K**
This product is for research use only and is not intended for diagnostic use.

This product is a 59.4kDa Human FGFR3 membrane protein expressed in *E.coli*. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species
Human

Target Protein
FGFR3

Protein Length
Partial (397-806aa)

Protein Class
Transporter

Molecular Weight
59.4kDa

TMD
1

Sequence
RLRSPPKKGLGSPTVHKISRFPLKRQVSLESNASMSSNTPLVRIARLSSGEGPTLANVSELELPADPKWELSRARLTLGKPLGEGCF

Product Description

Expression Systems
E.coli

Tag
6xHis and B2M tag at the N-terminus

Protein Format
Soluble

Form

Liquid or Lyophilized powder

Purity

>90% as determined by SDS-PAGE

Buffer

Tris-based buffer, 50% glycerol

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -70°C or lower. Avoid freeze/thaw cycles.

Target

Target Protein

FGFR3

Full Name

Fibroblast growth factor receptor 3

Introduction

This gene encodes a member of the fibroblast growth factor receptor (FGFR) family, with its amino acid sequence being highly conserved between members and among divergent species. FGFR family members differ from one another in their ligand affinities and tissue distribution. A full-length representative protein would consist 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 binds acidic and basic fibroblast growth hormone and plays a role in bone development and maintenance. Mutations in this gene lead to craniosynostosis and multiple types of skeletal dysplasia.

Alternative Names

FGFR3; ACH; CEK2; JTK4; CD333; HSFGFR3EX; FGFR-3; fibroblast growth factor receptor 3 variant 4; fibroblast growth factor receptor 3-S; hydroxyaryl-protein kinase; tyrosine kinase JTK4; Fibroblast growth factor receptor 3

Gene ID

2261

UniProt ID

P22607

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