

# Product Information

## **MemDX™ Membrane Protein Human FGFR3 (Fibroblast growth factor receptor 3) Expressed in Yeast with 6xHis tag at the N-terminus for Antibody Discovery, Partial (23-375aa)**

Cat. No.: **MPX4336K**

This product is for research use only and is not intended for diagnostic use.

This product is a 40.1kDa Human FGFR3 membrane protein expressed in Yeast. 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 (23-375aa)

#### Protein Class

Transporter

#### Molecular Weight

40.1kDa

#### TMD

1

#### Sequence

ESLGTEQRRVVGRAAEVPGPEPGQEQQLVFGSGDAVELSCPPPGGGPMGPTVWVKDGTGLVPSERVLVGPQRLQVLNASHEDSG

### Product Description

#### Expression Systems

Yeast

#### Tag

6xHis 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; HSFGR3EX; 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](#)