

# Recombinant Human FGF-1 protein ,C- His Tag

CatalogNo: YD2271

## Key Features

### Reactivity

- Human

## Storage

**Storage\*** Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 °C for one week . Store at -20 to -80 °C for twelve months from the date of receipt.

**Formulation** Supplied as solution form in PBS pH 7.5./ Lyophilized from PBS pH 7.5.

## Recommended Dilution Ratios

Reconstitute in sterile water for a stock solution

## Basic Information

**Source** E.coli

**Purification** E.coli

**Purity** >90% as determined by SDS-PAGE

## Immunogen Information

**Sequence** A DNA sequence encoding the human FGF1(Phe16~Asp155) was fused with the C-terminal His Tag

## Target Information

**Protein Name****Organism****Gene ID****UniProt ID**

Human

[2246;](#)[P05230;](#)**Cellular  
Localization**

Secreted. Cytoplasm. Cytoplasm, cell cortex. Cytoplasm, cytosol. Nucleus. Lacks a cleavable signal sequence. Within the cytoplasm, it is transported to the cell membrane and then secreted by a non-classical pathway that requires Cu(2+) ions and S100A13. Secreted in a complex with SYT1 (By similarity). Binding of exogenous FGF1 to FGFR facilitates endocytosis followed by translocation of FGF1 across endosomal membrane into the cytosol. Nuclear import from the cytosol requires the classical nuclear import machinery, involving proteins KPNA1 and KPNB1, as well as LRRC59. .

**Tissue specificity**

Predominantly expressed in kidney and brain. Detected at much lower levels in heart and skeletal muscle.

## | Validation Data

## | Contact information

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**Recombinant Human FGF-1 protein ,C- His Tag**

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