

Recombinant Rat Fgfr2 Protein, His-tagged

Cat. No. Fgfr2-1501R Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Fgfr2 Protein (Arg41-Ala285) with N-His tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Arg41-Ala285
Description	Enables fibroblast growth factor binding activity and fibroblast growth factor-activated receptor activity. Involved in several processes, including cellular response to growth factor stimulus; cellular response to retinoic acid; and positive regulation of smooth muscle cell proliferation. Located in cell surface; cytoplasm; and nucleus. Used to study prostate cancer and retinitis pigmentosa. Biomarker of hypospadias. Human ortholog(s) of this gene implicated in several diseases, including Beare-Stevenson cutis gyrata syndrome; Jackson-Weiss syndrome; LADD syndrome; dysgerminoma; and synostosis (multiple). Orthologous to human FGFR2 (fibroblast growth factor receptor 2).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 31.0 kDa Accurate Molecular Mass: 34 kDa
Purity	> 90%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

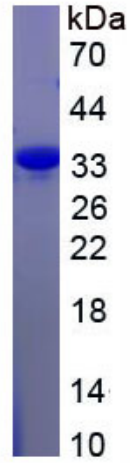
GENE INFORMATION

Gene Name	Fgfr2 fibroblast growth factor receptor 2 [Rattus norvegicus (Norway rat)]
Official Symbol	Fgfr2
Synonyms	FGFR2; fibroblast growth factor receptor 2;
Gene ID	25022
mRNA Refseq	NM_001109892
Protein Refseq	NP_001103362
UniProt ID	Q63240

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