

Recombinant Mouse Fgf12 Protein, His-tagged

Cat. No. Fgf12-1480M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Fgf12 Protein (Met1-Thr181) with N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Met1-Thr181
Description	Predicted to enable heparin binding activity; sodium channel regulator activity; and transmembrane transporter binding activity. Acts upstream of or within several processes, including adult locomotory behavior; neuromuscular process; and positive regulation of sodium ion transport. Predicted to be active in cytoplasm and nucleus. Is expressed in several structures, including central nervous system; genitourinary system; limb; sensory organ; and skeleton. Human ortholog(s) of this gene implicated in developmental and epileptic encephalopathy 47. Orthologous to human FGF12 (fibroblast growth factor 12).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 24.1 kDa Accurate Molecular Mass: 25 kDa
Purity	> 97%

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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	Fgf12 fibroblast growth factor 12 [Mus musculus (house mouse)]
Official Symbol	Fgf12
Synonyms	FGF12; fibroblast growth factor 12; FHF-1; FGF-12; myocyte-activating factor; fibroblast growth factor homologous factor 1; Fhf1; AV114868;
Gene ID	14167
mRNA Refseq	NM_010199
Protein Refseq	NP_034329

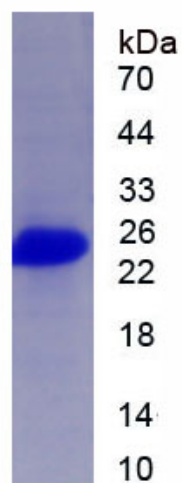
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