Active Recombinant Mouse FGF12 Protein

Cat. No. FGF12-33M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse FGF12 Protein (Met1-Thr181) is produced by E. coli expression system.
Species	Mouse
Source	E.coli
ProteinLength	Met1-Thr181
Form	0.22 μm filtered protein solution is in 20 mM MOPS, 150 mM Na2SO4, 1 mM EDTA, 10 mM DTT, pH 7.5.
Bio-activity	The activity was measured by the binding to human FGFR4-Fc using functional ELISA. The ED50 is 0.01-0.05 μg/ml when human FGFR4-Fc is immobilized at 5 μg/ml (100 μl well)
Molecular Mass	The 181 amino acid recombinant protein has a predicted molecular mass of approximately 21 kD. The DTT-reduced protein migrates at approximately 21 by SDS-PAGE. The predicted N-terminal amino acid is Met.
Endotoxin	< 0.1 EU/μg cytokine as determined by the LAL method.
Purity	> 98%, as determined by Coomassie stained SDS-PAGE.
Applications	Bioassay

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Storage	Unopened vial can be stored between 2 centigrade and 8 centigrade for one month, at -20 centigrade for six months, or at -70 centigrade for one year. For maximum results, quick spin vial prior to opening. The protein can be aliquoted and stored from -20 centigrade to -70 centigrade. Stock solutions can also be prepared at 50-100 μg/mL in sterile buffer (PBS, HPBS, DPBS, or EBSS) containing carrier protein such as 0.2-1% BSA or HSA and stored in working aliquots at -20 centigrade to -70 centigrade. Avoid repeated freeze/thaw cycles.
Concentration	10 and 25 μg sizes are bottled at 200 μg/mL. 100 μg and larger sizes are lot-specific and bottled at the concentration indicated on the vial.

GENE INFORMATION

Gene Name	Fgf12 fibroblast growth factor 12 [Mus musculus]
Official Symbol	FGF12
Synonyms	FGF12; fibroblast growth factor 12; FHF-1; FGF-12; Fhf1; AV114868;
Gene ID	14167
mRNA Refseq	NM_010199
Protein Refseq	NP_034329
	Human FGF-12 binds to immobilized human FGFR4 at 5 μg/ml. The ED50 = 0.01 - 0.05 μg/ml

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