

Product datasheet for **AR31140PU-S**

FGF23 Mouse Protein

Product data:

Product Type:	Recombinant Proteins
Description:	FGF23 mouse recombinant protein, 5 µg
Species:	Mouse
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MYPDTSPLLG SNWGLSLHLY TATARTSYHL QIHRDGHVDG TPHQTIYSAL MITSSEDAGSV VITGAMTRRF LCMDLHGNIF GSLHFSPENC KFRQWLENG YDVYLSQKHH YLVSLGRAKR IFQPGTNPPP FSQFLARRNE VPLLHFYTVR PRRHTRSAED PPERDPLNLV KPRPRATPVP VSCSRELPSE EEGGPAASDP LGVLRGRGD ARGGAGGADR CRPFPRFV
Predicted MW:	25.5 kDa
Purity:	>95% pure by SDS-PAGE and HPLC analyses
Buffer:	Presentation State: Purified State: Lyophilized (0.2µ Sterile filtered) purified protein
Bioactivity:	Biological: Determined by its ability to stimulate the proliferation of murine NIH-3T3 cells. The expected ED ₅₀ for this effect is 0.3-0.5 µg/ml, in the presence of murine Klotho and heparin.
Preparation:	Lyophilized (0.2µ Sterile filtered) purified protein
Protein Description:	Recombinant murine FGF-23 is a 25.5 kDa globular protein containing 228 amino acid residues.
Storage:	Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_073148
Locus ID:	64654
UniProt ID:	Q9EPC2 , Q3U1V5
Cytogenetics:	6 F3
Synonyms:	Fgf8b



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Summary:

This gene encodes a member of the fibroblast growth factor family. The encoded protein regulates phosphate homeostasis and vitamin D metabolism. Mutation of the related gene in humans causes autosomal dominant hypophosphatemic rickets (ADHR). The secreted protein is further cleaved into N- and C-terminal chains, which results in loss of function. [provided by RefSeq, Mar 2013]