

Active Recombinant Canine fgf14

Cat. No. fgf14-169C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	A DNA sequence encoding the canine FGF14 (XP_003363267.1)(Lys64-Thr252) was expressed with a N-terminal Met.
Species	Canine
Source	E.coli
Protein Length	Lys64-Thr252
Form	Lyophilized from sterile PBS, pH7.4.
Bio-activity	Immobilized canine FGF14 at 10 µg/ml (100 µl/well) can bind human FGFR4-Fc with a linear range of 0.16-2.5 µg/ml.
Molecular Mass	The recombinant canine FGF14 comprises 190 amino acids and has a predicted molecular mass of 21.1 kDa. The apparent molecular mass of the protein is approximately 21 kDa in SDS-PAGE under reducing conditions due to glycosylation.
Endotoxin	< 1.0 eu per µg of the protein as determined by the LAL method.
Purity	>95 % as determined by SDS-PAGE
Stability	Samples are stable for up to twelve months from date of receipt at -70°C
Storage	Store it under sterile conditions at -70°C. It is recommended that the protein be

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aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution Hardcopy of COA with reconstitution instruction is sent along with the products.

GENE INFORMATION

Gene Name FGF14 fibroblast growth factor 14 [*Canis lupus familiaris*]

Official Symbol fgf14

Synonyms FGF14; fibroblast growth factor 14;

Gene ID 485537

Pathway MAPK signaling pathway, organism-specific biosystem; MAPK signaling pathway, conserved biosystem; Melanoma, organism-specific biosystem; Melanoma, conserved biosystem; Pathways in cancer, organism-specific biosystem; Regulation of actin cytoskeleton, organism-specific biosystem; Regulation of actin cytoskeleton, conserved biosystem;

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