



# Recombinant Mouse FGF-10

20191029DS



**FOR RESEARCH ONLY! NOT FOR HUMAN USE!**

<b>Cat.-no.:</b>	<b>M10-043S</b>
Size:	5 µg
Lot. No.:	According to product label

### Sequence

```
SSAGRHVRSY NHLQGDVRRW RLFSTKYFL TIEKNGKVS  
TKNEDCPYSV LEITSVEIGV VAVKAINSNY YLAMNKKGKL  
YGSKEFNDC KLKERIEENG YNTYASFNWQ HNGRQMYVAL  
NGKGAPRRGQ KTRRKNTSAH FLPMTIQT
```

### Database References

<b>Protein RefSeq:</b>	NP_032028.1
<b>Uniprot ID:</b>	O35565
<b>mRNA RefSeq:</b>	NM_008002.4

## Scientific Background

<b>Gene-ID (NCBI):</b>	14165
<b>Synonyms:</b>	Fibroblast Growth Factor-10, FGFA, Keratinocyte Growth Factor-2

FGF-10 is a heparin-binding growth factor that belongs to the FGF family. Proteins of this family play a central role during prenatal development, postnatal growth and regeneration of a variety of tissues, by promoting cellular proliferation and differentiation. FGF-10 is most related to FGF-7/KGF, and is expressed during the development and, preferentially, in adult lungs. It signals through FGFR 2b. Recombinant Murine FGF-10 is a 17.0 kDa protein consisting of 148 amino acid residues.

## Product Specifications

<b>Expressed in</b>	E. coli
<b>Purity</b>	≥ 95% by SDS-PAGE gel and HPLC analyses
<b>Endotoxin level</b>	< 0.1 ng/µg of protein (<1EU/µg)
<b>Formulation</b>	lyophilized
<b>Length (aa):</b>	148
<b>MW:</b>	17.0 kDa



**AVOID REPEATED FREEZE AND THAW CYCLES!**

**Biological Activity:** Determined by dose-dependent ability to reduce tetrazolium salt, WST-8, by dehydrogenase activities of BaF3 cells expressing FGF receptors using Cell Counting Kit-8 (CCK-8).