

Datasheet for ABIN7539320 FGF10 Protein



[Go to Product page](#)

Overview

Quantity:	5 µg
Target:	FGF10
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active

Product Details

Purpose:	FGF-10
Sequence:	MLGQDMVSPE ATNSSSSSFS SPSSAGRHVR SYNHLQGDVR WRKLFSTFKY FLKIEKNGKV SGTKKENCYPY SILEITSVEI GVVAVKAINS NYLAMNKKG KLYGSKEFNN DCKLKERIEE NGYNTYASFN WQHNGRQMYV ALNGKGAPRR GQKTRRKNTS AHFLPMVVHS
Specificity:	Chromosomal location:5p13-p12
Cross-Reactivity:	Chicken, Human, Mouse
Characteristics:	Length (aa):170
Purity:	> 95 % by SDS-PAGE

Target Details

Target:	FGF10
Alternative Name:	FGF-10 (FGF10 Products)

Target Details

Background:	FGF10, KGF2, Fibroblast Growth Factor-10 (FGF-10) is a heparin binding growth factor which stimulates the proliferation and activation of cells that express FGF receptors. FGF-10 is most related to KGF/FGF-7 and is expressed during development and preferentially in adult lungs. Human FGF-10 is a 19.3 kDa protein containing 170 amino acid residues.
Molecular Weight:	19.3 kDa
Gene ID:	2255
NCBI Accession:	NM_004465 , NP_004456
UniProt:	O15520
Pathways:	RTK Signaling , Fc-epsilon Receptor Signaling Pathway , EGFR Signaling Pathway , Neurotrophin Signaling Pathway , Stem Cell Maintenance , Tube Formation , Positive Regulation of Response to DNA Damage Stimulus

Application Details

Application Notes:	The ED50 as determined by the dose-dependent stimulation of thymidine uptake by BaF3 cells expressing FGF- receptors is ≤ 0.5 ng/mL, corresponding to a specific activity of $\geq 2 \times 10^6$ units/mg.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	The lyophilized FGF-10 should be reconstituted in water to a concentration not lower than 50 μ g/mL. For long term storage we would recommend to add at least 0.1 % human or bovine serum albumin.
Buffer:	0.5X PBS
Storage:	-20 °C, -80 °C
Storage Comment:	Lyophilized samples are stable for more than six months at -20°C to -70°C.