

Recombinant Human FOXA3 protein, Arginine-tagged

Cat. No. FOXA3-133H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human FOXA3 protein fused with 11 arginine domain at C-terminal, which will efficiently deliver protein intracellularly, was expressed in E. coli.
Species	Human
Source	E.coli
Form	1.0 mg/ml, sterile-filtered, in 20 mM pH 8.0 Tris-HCl Buffer, with proprietary formulation of NaCl, KCl, EDTA, arginine, DTT and Glycerol.
AA Sequence	GEFLGSVKMEAHDLAEWSYYPEAGEVYSPVTPVPTMAPLNSYMTLNPLSSPYPPG GLPASPLPSGPLAPPAPAAP LGPTFPGLGVSGGSSSSSGYGAPGPGLVHGKEMPKG YRRPLAHAKPPYSYISLITMAIQQAPGKMLTLSEIQWIM DLFPYYRENQQRWQNSI RHSLSFNDCFVKVARSPDKPGKGSYWALHPSSGNMFENGCYLRRQKRFKLEEKVK KGG SGAATTTTRNGTGSAASTTTTPAATVTSPQPPPPAPEPEAQGGEDVGALDCGS PASSTPYFTGLELPGELKLDAPY NFNHPFSINNLMSQTPAPPKLDVGFGGYGAEG GEPGVYYQGLYSRLLNASLEESGGGGSPGRRRRRRRRRRRR
Purity	>90% by SDS-PAGE
Applications	1. Protein transduction for study of Human liver cell differentiation in vitro. 2. Active recombinant protein, may be used for ELISA based DNA/Protein binding assay. 3. As specific protein substrate for kinase assay. 4. Immunogen for specific antibody production.

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Storage Keep at -20°C for long term storage. Product is stable at 4 °C for at least 7 days.

GENE INFORMATION

Gene Name FOXA3 forkhead box A3 [Homo sapiens]

Official Symbol FOXA3

Synonyms FOXA3; forkhead box A3; hepatocyte nuclear factor 3, gamma , HNF3G; HNF-3G; TCF-3G; HNF-3-gamma; forkhead box protein A3; FKHH3; HNF3G; TCF3G; MGC10179;

Gene ID 3171

mRNA Refseq NM_004497

Protein Refseq NP_004488

MIM 602295

UniProt ID P55318

Chromosome Location 19q13.2-q13.4

Pathway Developmental Biology, organism-specific biosystem; FOXA transcription factor networks, organism-specific biosystem; FOXA1 transcription factor network, organism-specific biosystem; FOXA2 and FOXA3 transcription factor networks, organism-specific biosystem; Maturity onset diabetes of the young, organism-specific biosystem; Maturity onset diabetes of the young, conserved biosystem; Regulation of beta-cell development, organism-specific biosystem;

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Function

DNA binding, bending; double-stranded DNA binding; protein domain specific binding; sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity; sequence-specific DNA binding transcription factor activity; sequence-specific distal enhancer binding RNA polymerase II transcription factor activity; transcription factor binding; transcription regulatory region DNA binding;

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