

Active Recombinant Human FOXA3(T58A) protein, Arginine-tagged

Cat. No. FOXA3-151H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human cMyc (T58A mutant) protein fused with 11 arginine domain at C-terminal, which efficiently delivery protein intracellularly, was expressed in E. coli.
Species	Human
Source	E.coli
Form	0.50 mg/ml, sterile-filtered, in 20 mM pH 8.0 Tris-HCl Buffer, with proprietary formulation of NaCl, KCl, EDTA, arginine, DTT and Glycerol.
Bio-activity	1. DNA binding activity was demonstrated using cMyc specific DNA binding oligo derived ELISA.2. Mouse iPS generation activity was measured for each lot of products.
AA Sequence	MDFFRVVENQQPPATMPLNVSFNRYDLDYDSVQPYFYCDEEENFYQQQQQSEL QPPAPSEDIWKKFELL(T to A)PPLSPSRRSGLCSPSYVAVTPFSLRGDNDGGGGS FSTADQLEMVTELLGGDMVNSFCIDPDDETFIKNIIQDCMWSGFSAALKLVSEKLA SYQAARKDSGSPNPARGHSVCSTSSLYLQDLSAAASECIDPSVVFYPLNDSSSPK SCASQDSSAFSPSSDLSSTESSPQGSPEPLVLHEETPPTTSSDSEEEQEDEEID VVSVEKRQAPGKRSESGSPSAGGHSKPPHSPLVLKRCHVSTHQHNYAAPPSTRKD YPAAKRVKLDSVRVLRQISNNRKCTSPRSSDTEENVKRRTHNVLERQRRNELKRSF FALRDQIPELENNEKAPKVILKKATAYILSVQAEQKLISEEDLLRKRREQLKHKLEQ LRNSCAESGGGGSPGRRRRRRRRRRRR

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Purity	>90% by SDS-PAGE
Applications	1. Protein transduction for PiPs application 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.
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; hepatocyte nuclear factor 3-gamma; HNF-3G; TCF-3G; HNF-3-gamma; forkhead box protein A3; transcription factor 3G; 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

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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;

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;