

Product datasheet for MG222345

Foxo4 (NM_018789) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Foxo4 (NM_018789) Mouse Tagged ORF Clone

Tag: TurboGFP

Symbol: Foxo4

Synonyms: afx; Afxh; Mllt7

Mammalian Cell Neomycin

Selection:

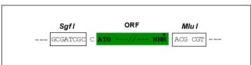
Vector: pCMV6-AC-GFP (PS100010)

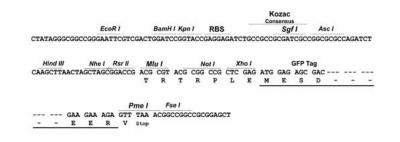
E. coli Selection: Ampicillin (100 ug/mL)

Restriction Sites: Sgfl-Mlul

Cloning Scheme:

Cloning sites used for ORF Shuttling:





ACCN: NM_018789

ORF Size: 1515 bp



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Foxo4 (NM_018789) Mouse Tagged ORF Clone - MG222345

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of

reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing

variants is recommended prior to use. More info

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression

varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube

containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method: 1. Centrifuge at 5,000xg for 5min.

2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.

3. Close the tube and incubate for 10 minutes at room temperature.

4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid

at the bottom.

5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of

shipping when stored at -20°C.

RefSeq: <u>NM 018789.2</u>, <u>NP 061259.1</u>

RefSeq Size: 3162 bp
RefSeq ORF: 1518 bp
Locus ID: 54601
UniProt ID: Q9WVH3

Cytogenetics: X 43.89 cM

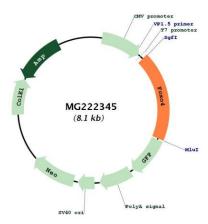
Gene Summary: Transcription factor involved in the regulation of the insulin signaling pathway. Binds to

insulin-response elements (IREs) and can activate transcription of IGFBP1. Down-regulates expression of HIF1A and suppresses hypoxia-induced transcriptional activation of HIF1A-modulated genes. Also involved in negative regulation of the cell cycle. Involved in increased proteasome activity in embryonic stem cells (ESCs) by activating expression of PSMD11 in ESCs, leading to enhanced assembly of the 26S proteasome, followed by higher proteasome

activity (By similarity). Represses smooth muscle cell differentiation by inhibiting the transcriptional coactivator activity of myocardin.[UniProtKB/Swiss-Prot Function]



Product images:



Circular map for MG222345