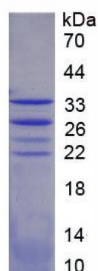


## Mouse Forkhead Box Protein O1 (FOXO1) Protein

Catalogue No.: abx066688



SDS-PAGE analysis of Mouse FOXO1 Protein.

Recombinant Forkhead Box Protein O1 (FOXO1) is a recombinant Mouse protein expressed in E.coli.

**Target:** Forkhead Box Protein O1 (FOXO1)

**Origin:** Mouse

**Expression:** Recombinant

**Tested Applications:** WB, SDS-PAGE

**Host:** E. coli

**Conjugation:** Unconjugated

**Form:** Lyophilized

**Purity:** > 95%

**Reconstitution:** To keep the original salt concentration, we recommend reconstituting to the original concentration prior to lyophilization (see Concentration) in ddH<sub>2</sub>O. If a lower concentration is required, dilute in 20 mM Tris, 150 mM NaCl, pH 8.0. If a higher concentration is required, the product can be reconstituted directly in 20 mM Tris, 150 mM NaCl, pH 8.0, though please note that this will change the overall salt concentration. The stock concentration should be between 0.1-1.0 mg/ml. Do not vortex.

**Storage:** Store at 2-8 °C for up to one month. Store at -80 °C for up to one year. Avoid repeated freeze/thaw cycles.

**UniProt Primary AC:** Q9R1E0 ([UniProt](#), [ExPASy](#))

**String:** [10090.ENSMUSP00000055308](#)

# Datasheet

Version: 2.0.0  
Revision date: 06 Jun 2025



<b>Molecular Weight:</b>	Calculated MW: 30.3 kDa Observed MW (SDS-PAGE): 22 kDa, 25 kDa, 27 kDa, 33 kDa Possible reasons why the actual band size differs from the predicted band size: <ol style="list-style-type: none"><li>1. Splice variants. Alternative splicing may create different sized proteins from the same gene.</li><li>2. Relative charge. The composition of amino acids may affect the charge of the protein.</li><li>3. Post-translational modification. Phosphorylation, glycosylation, methylation etc. may affect the band size.</li><li>4. Post-translational cleavage. Many proteins are synthesised as pro-proteins, and then cleaved to give the active form.</li><li>5. Polymerisation of the target protein. Dimerisation, multimerisation etc. will increase the band size observed.</li></ol>
<b>Sequence Fragment:</b>	Arg222-Pro469
<b>Sequence:</b>	RVQNEGTGK SSWWMLNPEG GKSGKSPRRR AASMDNNSKF AKSRGRAAKK KASLQSGQEG PGDSPGSQFS KWPASPGSHS NDDFDNWSTF RPRTSSNAST ISGRLSPIMT EQDDLGDGDV HSLVYPPSAA KMASTLPSLS EISNPENMEN LLDNLNLLSS PTSLTVSTQS SPGSMMQQTP CYSFAPPNTS LNSPSPNYSK YTYGQSSMSP LPQMPMQLQ DSKSSYGGLN QYNCAPGLLK ELLTSDSPP
<b>Tag:</b>	N-terminal His tag
<b>Buffer:</b>	Prior to lyophilization: 20 mM Tris, 150 mM NaCl, pH 8.0, containing 1 mM EDTA, 1 mM DTT, 0.01% Sarcosyl, 5% Trehalose and Proclin-300.
<b>Activity:</b>	Not tested
<b>Concentration:</b>	Prior to lyophilization: 200 µg/ml
<b>Note:</b>	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.