

RPJ089Hu01 10µg

Recombinant FOS Like Antigen 1 (FOSL1)

Organism Species: *Homo sapiens (Human)*

Instruction manual

FOR RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

13th Edition (Revised in Aug, 2023)

[PROPERTIES]

Source: Prokaryotic expression

Host: *E.coli*

Residues: Met1~Thr130

Tags: N-terminal His Tag

Subcellular Location: Nucleus

Purity: > 95%

Traits: Freeze-dried powder

Buffer formulation: PBS, pH7.4, containing 0.01% Sarcosyl, 5% Trehalose.

Original Concentration: 300µg/mL

Applications: Positive Control; Immunogen; SDS-PAGE; WB.

(May be suitable for use in other assays to be determined by the end user.)

Predicted isoelectric point: 11.1

Predicted Molecular Mass: 18.2kDa

Accurate Molecular Mass: 24kDa as determined by SDS-PAGE reducing conditions.

Phenomenon explanation:

The possible reasons that the actual band size differs from the predicted are as follows:

1. Splice variants: Alternative splicing may create different sized proteins from the same gene.
2. Relative charge: The composition of amino acids may affect the charge of the protein.
3. Post-translational modification: Phosphorylation, glycosylation, methylation etc.
4. Post-translation cleavage: Many proteins are synthesized as pro-proteins, and then cleaved to give the active form.
5. Polymerization of the target protein: Dimerization, multimerization etc.

[USAGE]

Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

[STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.

Aliquot and store at -80°C for 12 months.

[SEQUENCE]

MF R D F G E P G P S S G N G G Y G G P A Q P P A A A Q A A Q K F H L V P S I N T M S G S Q E L Q W M V Q P H L G P S S Y P R P L T
Y P Q Y S P P Q P R P G V I R A L G P P P G V R R R P C E Q I S P E E E E R R R V R R E R N K L A A A K C R N R R K E L T

A T G T T C C G A G C T T T G G G A A C C T G C C G A C C G A C T C T C G A C G C C C C G C C G A G C G G C A C C C G C A G A T C C A C T C T G G T C G A G C A T C A G A C A C T A G A T G G A G T C A G A G C T G C A G T G A G A G T A C A G C T C A T T T C C T G G G C C A G A C T A C C C A G C C T C T G A C T A C C
 M F R D F D G E P G P S S G N G G G Y G S P A Q P P A A A Q A A Q Q K F H L V P S I N T M S G S Q E L Q W M V Q P H F L G P S S Y P R P L T Y P



The kit is designed for research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.