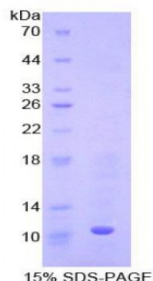


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Mouse Metallothionein 3 (MT3) Protein

Catalogue No.: abx068003



SDS-PAGE analysis of Mouse Metallothionein 3 Protein.

Recombinant Metallothionein 3 (MT3) is a recombinant protein from Mouse. It is produced in *E. coli* using Prokaryotic expression.

Target: Metallothionein 3 (MT3)

Origin: Mouse

Host: *E. coli*

Tested Applications: ELISA, WB, IP, SDS-PAGE

Purity: > 95%

Form: Lyophilized

Conjugation: Unconjugated

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.

Expression: Recombinant

Molecular Weight: 10.8 kDa (Predicted Molecular Mass), 15 kDa (Accurate Molecular Mass as determined by SDS-PAGE).

Possible reasons why the actual band size differs from the predicted band size:

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. may affect the band size.
4. Post-translational cleavage. Many proteins are synthesised as pro-proteins, and then cleaved to give the active form.
5. Polymerisation of the target protein. Dimerisation, multimerisation etc. will increase the band size observed.

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Swiss Prot: [P28184](#)

Sequence Fragment: Met1-Gln68

Sequence: MGSSHHHHHH SSGLVPRGSH MASMTGGQQM GRGSEF- MDPETPCPT GGSCTCSDKC
KCKGCKCTNC KKSCCSCCPA GCEKCAKDCV CKGEEGAKAE AEKSCCCQ

Tag: Two N-terminal tags, His-tag and T7-tag

Activity: Not tested

Endotoxin Level: < 1.0 EU / µg (LAL method)

Concentration: Prior to lyophilization: 200 µg/ml

Buffer: Prior to lyophilization: PBS, pH 7.4, containing 0.01% Sarcosyl, 1 mM DTT, 5% Trehalose and Proclin-300.

Note: This product is for research use only.