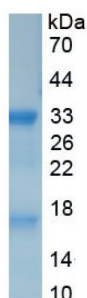
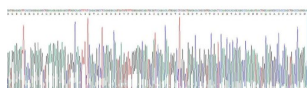


## Mouse Myelin Basic Protein (MBP) Protein

Catalogue No.: abx167844



SDS-PAGE analysis of recombinant Mouse Myelin Basic Protein.



Gene sequencing extract of recombinant Mouse Myelin Basic Protein.

Mouse Myelin Basic Protein is a recombinant Mouse protein expressed in *E. coli*.

**Target:** Myelin Basic Protein (MBP)

**Origin:** Mouse

**Expression:** Recombinant

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

**Host:** *E. coli*

**Conjugation:** Unconjugated

**Form:** Lyophilized

**Purity:** > 97%

**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.

# Datasheet

Version: 5.0.0  
Revision date: 11 Jun 2025



<b>Storage:</b>	Store at 2-8 °C for up to one month. Store at -80 °C for up to one year. Avoid repeated freeze/thaw cycles.
<b>Molecular Weight:</b>	<p>Calculated MW: 26.1 kDa</p> <p>Observed MW (SDS-PAGE): 17 kDa, 33 kDa</p> <p>Possible reasons why the actual band size differs from the predicted band size:</p> <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>	Asp18-Lys222
<b>Sequence:</b>	DGE IHRGEAGKKR SVGKLSQTAS EDSDVFGEAD AIQNNGTSAE DTAVTDSKHT ADPKNNWQGA HPADPGNRPH LIRLFSRDAP GREDNTFKDR PSESDQLQTI QEDPTAASGG LDVMASQKRP SQRSKYLATA STMDHARHGF LPRHRDTGIL DSIGRFFSGD RGAPKRGSGK DSHTRTTHYG SLPQKSQHGR TQDENPVVHF FK
<b>Tag:</b>	N-terminal His tag
<b>Buffer:</b>	Prior to lyophilization: 20 mM Tris, 150 mM NaCl, pH 8.0, containing 0.01% Sarcosyl, 5% Trehalose.
<b>Activity:</b>	Not tested
<b>Concentration:</b>	Prior to lyophilization: 400 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.