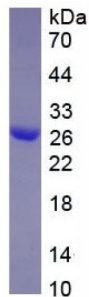


## Rat Cartilage Oligomeric Matrix Protein (COMP) Protein

Catalogue No.: abx065742



SDS-PAGE analysis of recombinant Rat COMP Protein.

Rat Cartilage Oligomeric Matrix Protein (COMP) is a recombinant Rat protein produced in a Prokaryotic expression system (E. coli).

<b>Target:</b>	Cartilage Oligomeric Matrix Protein (COMP)
<b>Origin:</b>	Rat
<b>Expression:</b>	Recombinant
<b>Tested Applications:</b>	WB, SDS-PAGE
<b>Host:</b>	E. coli
<b>Conjugation:</b>	Unconjugated
<b>Form:</b>	Lyophilized
<b>Purity:</b>	> 95%
<b>Reconstitution:</b>	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.
<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>UniProt Primary AC:</b>	P35444 ( <a href="#">UniProt</a> , <a href="#">ExPASy</a> )
<b>KEGG:</b>	rno:25304
<b>String:</b>	<a href="#">10116.ENSRNOP00000067037</a>

<b>Molecular Weight:</b>	Calculated MW: 22.3 kDa Observed MW (SDS-PAGE): 27 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>	Cys235-Phe423
<b>Sequence:</b>	CHEKAD CILERDGSRS CVCAVGWAGN GLLCGRDSDL DGFPDEKLRC SERQCRKDNC VTVPNSGQED VD RDRIGDAC DPDADGDGVP NEQDNCPLVR NPDQRNSDKD KWGDACDNCR SQKNDDQKDT DRDGQGDACD DDIDGDRIRN VADNCPRVPN FDQSDSDGDG VGDACDNCPQ KDNPDQRDVD HDF
<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: 120 µg/ml
<b>Note:</b>	This product is for research use only. Not for human consumption, cosmetic, therapeutic or diagnostic use.