

## Recombinant *T. gondii* SAG1 Antigen, His tagged

Cat. No. SAG1-048T Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	The <i>T. gondii</i> antigen p30 has been prepared as a recombinant antigen fused to a his-tag in its N-terminal. It corresponds to the <i>T. gondii</i> major surface antigen (SAG1).
<b>Species</b>	<i>T.gondii</i>
<b>Source</b>	E.coli
<b>Description</b>	Major surface antigen p30 (SAG1) induces significant levels of p30 antibodies in all patients with toxoplasmosis. It has been described in the literature that this 30 kDa protein has the capacity to carry out the serological analysis of <i>Toxoplasma</i> infections.
<b>Tag</b>	N-His
<b>Molecular Mass</b>	Determined by SDS-PAGE, the protein band is between molecular markers of 35-45 kDa, while relative molecular mass calculated from amino acid sequence is 36,686.1 Da.
<b>Purity</b>	> 95% by observation on SDS-PAGE electrophoresis
<b>Applications</b>	WB, DB, IE, DE, CLIA, LF
<b>Storage</b>	Upon arrival, it should be aliquoted to avoid repeated freezing and thawing cycles and stored at -20 to -80 centigrade. In order to defrost the protein, maintain the aliquot at 25 centigrade without shaking to avoid aggregation.

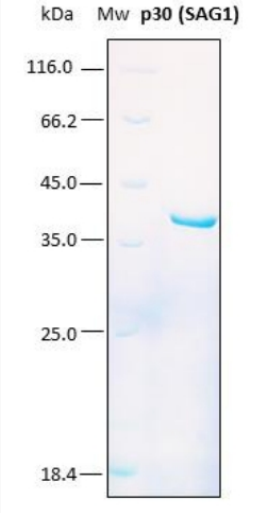
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<b>Storage Buffer</b>	20 mM phosphate buffer pH 8, 0.15 M NaCl and 0.1% polyoxyethylene (10) tridecyl ether
<b>Concentration</b>	1.2 mg/mL
<b>Shipping</b>	Protein is shipped with dry ice.
<b>Reference</b>	<ol style="list-style-type: none"> <li>1. Santoro, F., Charif, H. and Capron, A. The immunodominant epitope of the major membrane tachyzoite protein (p30) of <i>Toxoplasma gondii</i>. 1986, <i>Parasite Immunol.</i> 8:631-9.</li> <li>2. Gill SC, von Hippel PH. Calculation of protein extinction coefficients from amino acid sequence data. <i>Anal Biochem.</i> 1989 Nov 1;182(2):319-26.</li> </ol>

**Purity**



SDS-PAGE analysis (15%) of 2  $\mu$ L of recombinant p30. Purity is >95% as determined by gel electrophoresis.

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