

Recombinant *T. gondii* GRA8 Antigen, His tagged

Cat. No. GRA8-027T Lot. No. (See product label)

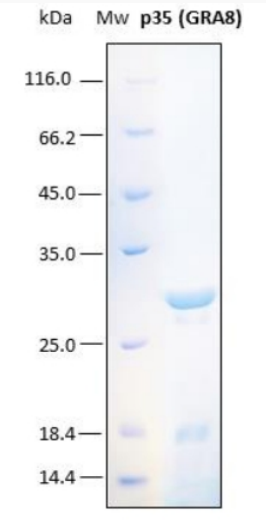
SPECIFICATION

Product Overview	The <i>T. gondii</i> antigen p35 has been prepared as a recombinant antigen fused to a his-tag in its N-terminal. It corresponds to the <i>T. gondii</i> GRA8 gene.
Species	<i>T.gondii</i>
Source	<i>E.coli</i>
Description	p35 (GRA8), a 35 kDa protein, has been described as a marker of acute infection able to differentiate acute from chronic infection. There are three secretory organs present in <i>Toxoplasma gondii</i> cytoplasm, as the dense granules. Dense granule antigens (GRA), secreted in abundance are highly immunodominant and induce strong antibody response.
Tag	N-His
Molecular Mass	Determined by SDS-PAGE, the protein band is between the molecular markers of 25 and 35 kDa, while relative molecular mass calculated from amino acid sequence is 21,757.5 Da.
Purity	> 95% by observation on SDS-PAGE electrophoresis
Applications	WB, DB, IE, DE, CLIA, LF
Storage	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

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	25 centigrade without shaking to avoid aggregation.
Storage Buffer	20 mM phosphate buffer pH 6, 0.15 M NaCl and 5 mM EDTA
Concentration	1.45 mg/mL
Shipping	Protein is shipped with dry ice.
Reference	1. Lu, B., Wu, S., Shi, Y., Zhang R., Zou, L., Gao, S., Lin M. and Zhou Y. Toxoplasma gondii: expression pattern and detection of infection using full-length recombinant p35. 2006, Exp. Parasitol. 113:83-90. 2. Gill SC, von Hippel PH. Calculation of protein extinction coefficients from amino acid sequence data. Anal Biochem. 1989 Nov 1;182(2):319-26.
Purity	 SDS-PAGE analysis (12%) of 2 µL of recombinant p35. Purity is approx. 95% as determined by gel electrophoresis. Band which slightly appear at approx. 16 kDa correspond to this same protein as it is showed in a western blot performed with a



histag monoclonal antibody.

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