

Recombinant Toxoplasma Gondii GRA6 protein, His-tagged

Cat. No. GRA6-272T Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Toxoplasma Gondii P32 (GRA6) produced in E.coli containing 180 amino acids of the Dense Granule Antigen 6 (GRA6) and fused with a 6xHis tag at C-terminus. This antigen forms dimers on SDS-PAGE under denatured conditions, compared to other toxoplasma monomer antigens, it has better immunoreactions.
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Species	T.gondii
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Source	E.coli
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Description	The life cycle of Toxoplasma gondii has two phases. The coccidia like takes place only in members of the Felidae family which makes these animals the parasite's primary host. The asexual part of the life cycle can take place in any warm-blooded animal, like other mammals(including felines) and birds. T. gondii constructing daughter scaffolds within the mother cell. In the intermediate hosts (including felines), the parasite invades cells, forming intracellular so-called parasitophorous vacuoles containing bradyzoites, the slowly replicating form of the parasit. Vacuoles form tissue cysts mainly within the muscles and brain. Since they are within cells, the host's immune system does not detect these cysts. Resistance to antibiotics varies, but the cysts are very difficult to eradicate entirely. Within these vacuoles T. gondii propagates by a series of binary fissions until the infected cell eventually bursts and tachyzoites are released. Tachyzoites are the motile, asexually reproducing form of the parasite. Unlike the bradyzoites, the free tachyzoites are usually efficiently cleared by the host's immune response, although some manage to infect cells and form bradyzoites, thus maintaining the infection.
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 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Form	Sterile Filtered solution. Sterile Filtered solution containing containing PBS and 25mM arginine.
Purity	Toxoplasma protein is >95% pure as determined by 10% PAGE (coomassie staining).
Applications	Immunoassay.
Usage	The products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.
Storage	Toxoplasma P32 although stable at 4°C for 1 week, should be stored below -18°C. Please prevent freeze thaw cycles.
Shipping	Ice Packs

GENE INFORMATION

Gene Name	GRA6 dense granule protein GRA6 [<i>Toxoplasma gondii</i> ME49]
Official Symbol	GRA6
Synonyms	GRA6; dense granule protein GRA6
Gene ID	7895853
mRNA Refseq	XM_002371898.2
Protein Refseq	XP_002371939.1
UniProt ID	A0A125YS55

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