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32-13836: Toxoplasma P35

Alternative Name : Dense granule protein GRA8, GRA8, TGME49_254720

Description

Source:Escherichia Coli.
Physical Appearance:Sterile Filtered clear solution.
Biological Activitynull
The life cycle of Toxoplasma gondii has 2 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. Recombinant Toxoplasma Gondii P35 (GRA8)) is an antigen used to test the specific Toxoplasma gondii antibody for the diagnosis of Toxoplasma gondii infection.
Recombinant Toxoplasma Gondii P35 (GRA8) containing 217 amino acids was purified from E. coli.The Recombinant Toxoplasma Gondii P35 (GRA8) is fused to GST tag at its N terminal and purified by proprietary chromatographic technique.

Product Info

Amount :	0.5 mg / 100 µg
Purification :	Protein is >95% pure as determined by 12% PAGE (coomassie staining).
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks.Store, frozen at -20°C for longer periods of time.For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.