

# Recombinant Human Cancer/testis Antigen 1B, GST-tagged

**Cat. No.** CTAG1B-4480H    **Lot. No.** (See product label)

## SPECIFICATION

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>    | NY-ESO-1 Human Recombinant full length protein expressed in E.coli, shows a 49 kDa SDS-PAGE (including GST tag). The NY-ESO-1 is purified by proprietary chromatographic techniques.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Species</b>             | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Source</b>              | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Description</b>         | NY-ESO-1, a member of the CT (cancer/testis) family, is a tumor-specific shared antigen with distinctive immunogenicity. NY-ESO-1 is expressed in testis and ovary and in a wide variety of cancers. It is also detected in uterine myometrium. The expression is from 18 weeks until birth in human fetal testis. Furthermore, in the adult testis, NY-ESO-1 is strongly expressed in spermatogonia and in primary spermatocytes, but not in post-meiotic cells or in testicular somatic cells (at protein level). The molecular basis of T cell-mediated antitumor immunity has been elucidated by the identification of a number of tumor antigens recognized by CD8+ T cells. Among these antigens, NY-ESO-1 is of particular interest because both the cytotoxic T lymphocyte and antibody have been shown to react with this antigen. |
| <b>Form</b>                | NY-ESO-1 at 100g/ml in 50mM Tris-Acetate, pH7.5, 1mM EDTA and 20% Glycerol.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Physical Appearance</b> | Sterile Filtered clear solution.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Storage</b>             | Store vial at -20°C to -80°C. When stored at the recommended temperature, this protein is stable for 12 months. Please prevent freeze-thaw cycles.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

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

**Full Length**

Full L.

## GENE INFORMATION

**Gene Name**

CTAG1B cancer/testis antigen 1B [ Homo sapiens ]

**Official Symbol**

CTAG1B

**Synonyms**

CTAG1B; cancer/testis antigen 1B; CTAG; ESO1; CT6.1; CTAG1; LAGE-2; LAGE2B; NY-ESO-1; cancer antigen 3; New York esophageal squamous cell carcinoma 1; LAGE2A; Cancer/testis antigen 1; L antigen family member 2; Autoimmunogenic cancer/testis antigen NY-ESO-1; Cancer/testis antigen 6.1

**Gene ID**

1485

**mRNA Refseq**

NM\_001327

**Protein Refseq**

NP\_001318

**MIM**

300156

**UniProt ID**

P78358

**Chromosome  
Location**

Xq28

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