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MAGEA1 Human

Catalog #:PRPS-318

For research use only.

Description:MAGEA1 Human Recombinant full length protein expressed in E.coli, MAGEA1 is antibody reactive. The MAGEA1 is fused to a GST tag purified by proprietary chromatographic techniques.

Synonyms: Melanoma-associated antigen 1, MAGE-1 antigen, Antigen MZ2-E, Cancer/testis antigen 1.1, CT1.1, MAGEA1, MAGE1, MAGE1A, MGC9326.

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered clear solution.

Formulation:

MAGEA1 in 50mM Tris-Acetate, pH7.5, 1mM EDTA and 20% Glycerol.

Stability:

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.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drμgs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:

Melanoma antigen family A 1 belongs to the MAGEA gene family, whose members encode proteins with 50 to 80% sequence identity to each other. The MAGEA genes which are clustered at chromosomal location Xq28, have been implicated in some hereditary disorders, such as dyskeratosis congenita.Human malignant neoplasms carry rejection antigens that are recognized by the patients autologous, tumor directed and specific, cytolytic, CD8+T lymphocyte clones (CTL). An important group of antigens is coded by the MAGE family of genes. It was identified that melanomas and primary glial brain tumors express common melanoma associated antigens (MAAs).Because MAGE-1 is expressed on a significant proportion of human neoplasms of various histological types (melanoma, brain tumors of glial origin, neuroblastoma, non-small cell lung cancer, breast, gastric, colorectal, ovarian, renal cell carcinomas) and not on normal tissues, the encoded antigen may serve as a marker of early detection and target for cancer immunotherapy.

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