

MAGEA4 Human

Description: MAGEA4 Recombinant Human produced in E.Coli is a single, non-glycosylated polypeptide chain containing 337 amino acids (1-317 a.a.) and having a molecular mass of 37 kDa. The MAGEA4 is fused to a 20 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques.

Catalog #: PRPS-850

For research use only.

Synonyms: CT1.4, MAGE4, MAGE-4 antigen, MAGE-X2 antigen, MAGE-41 antigen, MAGE4B, MGC21336, Cancer/testis antigen 1.4, MAGEA4.

Source: Escherichia Coli.

Physical Appearance: Sterile filtered colorless solution.

Amino Acid Sequence: MGSSHHHHHH SSGLVPRGSH MSSEQKSQHC KPEEGVEAQE
EALGLVGAQA PTTEEQAAY SSSSPLVPGT LEEVPAESA GPPQSPQGAS ALPTTISFTC
WRQPNEGSSS QEEEGPSTSP DAESLFREAL SNKVDELAHF LLRKYRAKEL VTKAEMLERV
IKNYKRCFPV IFGKASESLK MIFGIDVKEV DPTSNTYTLV TCLGLSYDGL LGNNQIFPKT
GLLIIVLGTI AM

Purity: Greater than 90.0% as determined by SDS-PAGE.

Formulation:

MAGEA4 Human solution containing 20mM Tris-HCl pH-8 & 20% glycerol.

Stability:

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.

Usage:

NeoBiolab's 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.

Introduction:

MAGEA4 is part of the MAGEA family, which directs the expression of tumor antigens that are identified on a human melanoma by autologous cytolytic T lymphocytes (CTL). MAGEA4 participates in embryonal development and tumor transformation or aspects of tumor progression. MAGEA4 is expressed in many tumors of several types, such as melanoma, head and neck squamous cell carcinoma, lung carcinoma and breast carcinoma, but not in normal tissues except for testes and placenta.

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