
Product Data Sheet

Product Name: MAGEA4 Human

Cat. No.: GP23868

Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	CT1.4; MAGE4; MAGE-4 antigen; MAGE-X2 antigen; MAGE-41 antigen; MAGE4B; MGC21336; Cancer/testis antigen 1.4; MAGEA4.		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MSSEQKSQHC KPEEGVEAQE EALGLVGAQA PTTEEQEAAV SSSSPLVPGT LEEVPAAESA GPPQSPQGAS ALPTTISFTC WRQPNEGSSS QEEEGPSTSP DAESLFREAL SNKVDELAHF LLRKYRAKEL VTKAEMLERV IKNYKRCFPV IFGKASESLK MIFGIDVKEV DPTSNTYTLV TCLGLSYDGL LGNNQIFPKT GLLIIVLGTI AMEGDSASEE EIWEELGVMG VYDGREHTVY GEPRKLLTQD WVQENYLEYR QVPGSNPARY EFLWGPRALA ETSYVKVLEH VVRVNRVRI AYPSLREAAL LEEEEGV.		
Formulation	MAGEA4 Human solution containing 20mM Tris-HCl pH-8 & 20% glycerol.		

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.

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.

Background

MAGEA4 Recombinant Human produced in E.Coli is a single, non-glycosylated

Caution: Product has not been fully validated for medical applications. For research use only.

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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.

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