
Product Data Sheet

Product Name: MAGEA5 Human
 Cat. No.: GP23869
 Batch No.: 1

Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Melanoma antigen family A 5; Cancer/testis antigen 1.5; CT1.5; cancer/testis antigen family 1 member 5; MAGE-5 (5a/5b) antigen; MAGEA4; MGC129526.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMSLEQK SQHCKPEEGL DTQEEALGLV GVQAATTEEQ EAVSSSSPLV PGTLGEVPAA GSPGPLKSPQ GASAIPTAID FTLWRQSIKG SSNQEEEGPS TSPDPESVFR AALSCKVADL IHFLLKY		
Formulation	The MAGEA5 solution (0.5mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.1mM PMSF and 20% glycerol.		

Introduction

MAGEA5 belongs to the MAGEA gene family which encodes proteins with 50 to 80% sequence identity to each other. The promoters and first exons of the MAGEA genes are variable, which signify that the presence of this gene family enables the same role to be expressed under diverse transcriptional controls. The MAGEA genes are clustered at chromosomal location Xq28. They are associated with several hereditary disorders, like dyskeratosis congenita. MAGEA5 gene encodes a protein which is C-terminally truncated compared to other family members, and can be alternatively interpreted to be a pseudogene.

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

MAGEA5 Human Recombinant produced in E. coli is a single polypeptide chain containing

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Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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148 amino acids (1-124) and having a molecular mass of 15.6kDa. MAGEA5 is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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