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**Product Data Sheet**


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Product Name: MAGEA3 Human  
 Cat. No.: GP23867  
 Batch No.: 1

**Product Data**

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	CT1.3; MAGE3; HYPD; Melanoma Antigen family A; 3; MAGE-3 antigen; MAGEA6; Antigen MZ2-D; Melanoma-Associated antigen 3.		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSMPLEQRS QHCKPEEGLE ARGEALGLVG AQAPATEEQE AASSSSTLVE VTLGEVPAAE SPDPPQSPQG ASSLPTTMNY PLWSQSYEDS SNQEEEGPST FPDLESEFQA ALSRKVAELV HFLLLKYRAR EPVTKAEMLG SVVGNWQYFF PVIFSKASSS LQLVFGIELM EVDPIGHLIYI FATCLGLSYD GLLGDNQIMP KAGLLIIVLA IIAREGDCAP EEKIWEELSV LEVFEGREDS ILGDPKLLT QHFVQENYLE YRQVPGSDPA CYEFLWGPRA LVETSYVKVL HHMVKISGGP HISYPPLHEW VLREGEE		
Formulation	The MAGEA3 protein solution (1mg/1ml) is formulated in 20mM Tris-HCl buffer (pH 8.0) 1mM DTT, 100mM NaCl and 10% glycerol.		

**Introduction**

MAGE belongs to the MAGE gene family, that comprises 12 known genes, of which 6 are expressed in tumors. The Melanoma-associated antigen 3 genes were originally isolated from different kinds of tumors, and based on their virtually limited tumor-specific expression in adult tissues, they were used as targets for cancer immunotherapy. MAGEA3 is a tumor-specific antigen extensively expressed in solid and hematologic malignancies, but not in normal tissues, with the exclusion of testis and placenta. Consequently, MAGEA3 is an outstanding candidate tumor antigen.

**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.

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

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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### Background

MAGEA3 produced in E.Coli is a single, non-glycosylated polypeptide chain containing 337 amino acids (1-314 a.a.) and having a molecular mass of 37.1kDa. MAGEA3 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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