

# Recombinant Human Melanoma Antigen Family A, 3, His-tagged

**Cat. No.** MAGEA3-2837H    **Lot. No.** (See product label)

## SPECIFICATION

|                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|---------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>         | Recombinant human MAGEA3 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. MW = 37.1 kDa (337aa) confirmed by MALDI-TOF.                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Species</b>                  | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Source</b>                   | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Description</b>              | Melanoma-associated antigen 3, also known MAGEA3, is a member of the MAGE gene family, which comprises 12 known genes, of which 6 are expressed in tumors. The MAGE genes were initially isolated from different kinds of tumors, and based on their virtually exclusive tumor-specific expression in adult tissues, they have been used as targets for cancer immunotherapy. MAGEA3 is a tumor-specific antigen widely expressed in solid and hematologic malignancies, but not in normal tissues, with the exception of testis and placenta. Therefore, MAGEA3 is an excellent candidate tumor antigen. |
| <b>Sequences Of Amino Acids</b> | MGSSHHHHHH SSSLVPRGSH MGSMPLQRS QHCKPEEGLE ARGEALGLVG<br>AQAPATEEQE AASSSSTLVE VTLGEVPAAE SPDPQSPQG ASSLPPTMNY<br>PLWSQSYEDS SNQEEEGPST FPDLESEFQA ALSRKVAELV HFLLLKYRAR<br>EPVTKAEMLG SVVGNWQYFF PVIFSKASSS LQLVFGIELM EVDPIGHLIYI<br>FATCLGLSYD GLLGDNQIMP KAGLLIIVLA IIAREGDCAP EEKIWEELSV<br>LEVFEGRSDS ILGDPKLLT QHFVQENYLE YRQVPGSDPA CYEFLWGPRA                                                                                                                                                                                                                                                    |

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LVETSYVKVL HHMVKISGGP HISYPPLHEW VLREGEE

**Purity** > 90% by SDS – PAGE.

**Form** Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol, 100mM NaCl.

**Concentration** 1 mg/ml (determined by Bradford assay).

**Storage** Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

## GENE INFORMATION

**Gene Name** [MAGEA3 melanoma antigen family A, 3 \[ Homo sapiens \]](#)

**Synonyms** MAGEA3; melanoma antigen family A, 3; HIP8; HYPD; CT1.3; MAGE3; MAGEA6; MGC14613; melanoma-associated antigen 3; antigen MZ2-D; MAGE-3 antigen; OTTHUMP00000024221; cancer/testis antigen 1.3; cancer/testis antigen family 1, member 3

**Gene ID** [4102](#)

**mRNA Refseq** [NM\\_005362](#)

**Protein Refseq** [NP\\_005353](#)

**MIM** [300174](#)

**UniProt ID** [P43357](#)

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|            |      |
|------------|------|
| Chromosome | Xq28 |
| Location   |      |

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