

# Product information



## MAGEA4, 1-317aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP0594

**Full name:** Melanoma-associated antigen 4

**NCBI Accession No.:** AAH17723

**Synonyms:** CT1.4, MAGE4

**Description:** MAGEA4 is a member of the MAGEA family, which directs the expression of tumor antigens that are recognized on a human melanoma by autologous cytolytic T lymphocytes (CTL). The function of MAGEA4 is not known, though may play a role in embryonal development and tumor transformation or aspects of tumor progression. This protein 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. Recombinant human MAGEA4, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography.

<p><b>Form:</b> Liquid. In 20 mM Tris-HCl Buffer (pH 8.0) containing 20% Glycerol</p> <p><b>Molecular Weight:</b> 37 kDa(337aa), confirmed by MALDI-TOF</p> <p><b>Purity:</b> &gt; 90% by SDS - PAGE</p> <p><b>Concentration:</b> 1 mg/ml (determined by Bradford assay)</p>	<p>(kDa)</p> <p>57</p> <p>40</p> <p>28</p> <p>18</p> <p>13.5</p> <p>15% SDS-PAGE (3ug)</p>
<p><b>Sequences of amino acids:</b></p> <p>MGSSHHHHH SSGLVPRGSH MSSEQKSQHC KPEEGVEAQE EALGLVGAQA PTTEEQEA AV SSSSPLVPGT LEEVPA AESA GPPQSPQGAS ALPTTISFTC WRQPNEGSSS QEEEGPSTSP DAESLFREAL SNKVDELAHF LLRKYRAKEL VTKAEMLERV IKNYKRCFPV IFGKASESLK MIFGIDVKEV DPTSNTYTLV TCLGLSYDGL LGNNQIFPKT GLLIIVLGTI AMEGDSASEE EIWEE LGVMG VYDGREHTVY GEPRKLLTQD WVQENYLEYR QVPGSNPARY EFLWGPRALA ETSYVKVLEH VVRVNARVRI AYP SLREAA LEEEEGV</p>	

### General references:

**WARNING: THIS PRODUCT IS NOT INTENDED OR APPROVED FOR HUMAN, DIAGNOSTICS OR VETERINARY USE. USE OF THIS PRODUCT FOR HUMAN OR ANIMAL TESTING IS EXTREMELY HAZARDOUS AND MAY RESULT IN DISEASE, SEVERE INJURY, OR DEATH.**

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Fradet Y., *et al.* (2009) *Int J Cancer*. 125(6):1365-71.

Nishimura T., *et al.* (2009) *Br J Cancer*. 100(7):1135-43.

**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.

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