

## Recombinant Human MAGEA8 protein, His-tagged

**Cat. No.** MAGEA8-6754H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                              |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human MAGEA8 protein(1-318 aa), fused with N-terminal His tag, was expressed in E. coli.                                                                                                                                                                                                                                                                         |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Source</b>           | E. coli                                                                                                                                                                                                                                                                                                                                                                      |
| <b>ProteinLength</b>    | 1-318 aa                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Form</b>             | The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na <sub>2</sub> HPO <sub>4</sub> , 17 mM NaH <sub>2</sub> PO <sub>4</sub> , 68 mM NaCl, pH 7.4). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients. The protein was eluted with a buffer containing 300 mM imidazole. |
| <b>AASequence</b>       | MLLGQKSQRYKAE EGLQAQGEAPGLMDVQIPTAEEQKAASSSSTLIMGTLEEVTDS<br>GSPSPQSPQSGASSSLTVTDSTLWSQSDEGSSSNEEEGPSTSPDPAHLESLFREAL<br>DEKVAELVRFLLRKYQIKEPVTKAEMLESVIKKNHFPDIFSKASECMQVIFGIDVKE<br>VDPAGHSYILVTCLGLSYDGLLGDDQSTPKTGLLIIVLGMILMEGSRAPEEAIWEALSV<br>MGLYDGREHSVYWKLRKLLTQEWVQENYLEYRQAPGSDPVRYEFLWGPRALAETS<br>YVKVLEHVVRVNARVRISYPSLHEEALGEEKGV                            |
| <b>Purity</b>           | 90%, by SDS-PAGE.                                                                                                                                                                                                                                                                                                                                                            |
| <b>Storage</b>          | Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid                                                                                                                                                                                                   |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

repeat freeze-thaw cycles.

#### Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

## GENE INFORMATION

**Gene Name** MAGEA8 melanoma antigen family A, 8 [ Homo sapiens ]

**Official Symbol** MAGEA8

**Synonyms** MAGEA8; melanoma antigen family A, 8; MAGE8; melanoma-associated antigen 8; cancer/testis antigen family 1; member 8; CT1.8; MAGE 8 antigen; MGC2182; MAGE-8 antigen; cancer/testis antigen 1.8; cancer/testis antigen family 1, member 8;

**mRNA Refseq** NM\_001166400

**Protein Refseq** NP\_001159872

**MIM** 300341

**UniProt ID** P43361

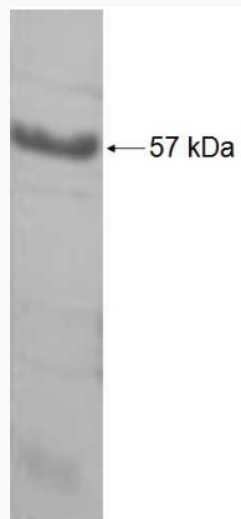
**Gene ID** 4107

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SDS-PAGE



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