

# Recombinant Human MAGEA3 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** MAGEA3-6580H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | MAGEA3 MS Standard C13 and N15-labeled recombinant protein (NP_005353) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Description</b>      | This gene is a member of the MAGEA gene family. The members of this family encode proteins with 50 to 80% sequence identity to each other. The promoters and first exons of the MAGEA genes show considerable variability, suggesting that the existence of this gene family enables the same function to be expressed under different transcriptional controls. The MAGEA genes are clustered at chromosomal location Xq28. They have been implicated in some hereditary disorders, such as dyskeratosis congenita. |
| <b>Molecular Mass</b>   | 34.6 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>AA Sequence</b>      | MPLEQRSQHCKPEEGLEARGEALGLVGAQAPATEEQEAASSSSTLVEVTLGEVPAA<br>ESDPQPQSPQGASSLPTTMNYPLWSQSYEDSSNQEEEGPSTFPDLESEFQAALSR<br>KVAELVHFLLKRYRAREPVTKAEMLGSVVGNWQYFFPVIFSKASSSLQLVFGIELME<br>VDPIGHLIYIFATCLGLSYDGLLDGNQIMPKAGLLIIVLAIAREGDCAPEEKIWEELSVL<br>EVFEGREDSILGDPKKLLTQHFVQENYLEYRQVPGSDPACYEFLWGPRLVETSYV<br>KVLHMHVKISGGPHISYPPLHEWVLREGEETRTRPLEQKLISEEDLAANDILDYKDDD                                                                                                                                            |

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|                       |                                                                                            |
|-----------------------|--------------------------------------------------------------------------------------------|
|                       | DKV                                                                                        |
| <b>Purity</b>         | > 80% as determined by SDS-PAGE and Coomassie blue staining                                |
| <b>Stability</b>      | Stable for 3 months from receipt of products under proper storage and handling conditions. |
| <b>Storage</b>        | Store at -80 centigrade. Avoid repeated freeze-thaw cycles.                                |
| <b>Concentration</b>  | 50 µg/mL as determined by BCA                                                              |
| <b>Storage Buffer</b> | 100 mM glycine, 25 mM Tris-HCl, pH 7.3.                                                    |

## GENE INFORMATION

|                        |                                                                                                                                                                                                                                                                                                                              |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | MAGEA3 MAGE family member A3 [ Homo sapiens (human) ]                                                                                                                                                                                                                                                                        |
| <b>Official Symbol</b> | MAGEA3                                                                                                                                                                                                                                                                                                                       |
| <b>Synonyms</b>        | MAGEA3; melanoma antigen family A, 3; MAGE3; melanoma-associated antigen 3; antigen MZ2 D; cancer/testis antigen family 1; member 3; CT1.3; HIP8; HYPD; MAGE 3 antigen; melanoma associated antigen 3; MGC14613; antigen MZ2-D; MAGE-3 antigen; cancer/testis antigen 1.3; cancer/testis antigen family 1, member 3; MAGEA6; |
| <b>Gene ID</b>         | 4102                                                                                                                                                                                                                                                                                                                         |
| <b>mRNA Refseq</b>     | NM_005362                                                                                                                                                                                                                                                                                                                    |
| <b>Protein Refseq</b>  | NP_005353                                                                                                                                                                                                                                                                                                                    |

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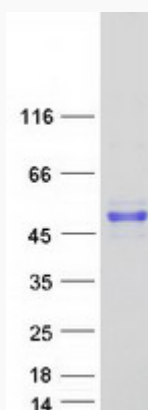
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MIM 300174

UniProt ID P43357

SDS-PAGE



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