

Recombinant Human MAGEA1 protein, His & T7-tagged

Cat. No. MAGEA1-1653H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human MAGEA1 aa. (Ile102~Val309 (Accession # P43355)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Ile102~Val309
Description	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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 27.4kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>90%

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Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.
Reconstitution	Reconstitute in sterile ddH ₂ O.
Isoelectric Point	5

GENE INFORMATION

Gene Name	MAGEA1 MAGE family member A1 [Homo sapiens (human)]
Official Symbol	MAGEA1
Synonyms	MAGEA1; MAGE family member A1; CT1.1; MAGE1; melanoma-associated antigen 1; MAGE-1 antigen; antigen MZ2-E; cancer/testis antigen 1.1; cancer/testis antigen family 1, member 1; melanoma antigen MAGE-1; melanoma antigen family A 1; melanoma antigen family A, 1 (directs expression of antigen MZ2-E); melanoma antigen family A1; melanoma-associated antigen MZ2-E
Gene ID	4100

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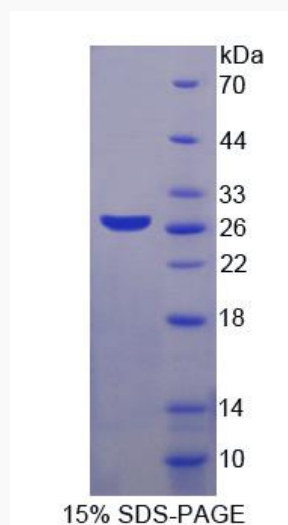
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mRNA Refseq [NM_004988.4](#)

Protein Refseq [NP_004979.3](#)

UniProt ID [P43355](#)

SDS-PAGE



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