

Recombinant human MAGED1, His-tagged

Cat. No. MAGED1-2455H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human MAGED1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.
Species	Human
Source	E.coli
Description	MAGED1, as known as Melanoma-associated antigen D1, is expressed in almost all normal adult tissues. It has been demonstrated to be involved in the p75 neurotrophin receptor mediated programmed cell death pathway. It has been involved in Prader-Willi syndrome, which includes hyperphagia, repetitive and compulsive behaviors, and cognitive impairment.
Form	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol 1mM DTT
Molecular Mass	31.7kDa (280aa), confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSLRPSNS RASQNPAAQ PRDVALLQER ANKLVKYLML KDYTKVPIKR SEMLRDIIRE YTDVYPEIIERACFVLEKKF GIQLKEIDKE EHLIYLISTP ESLAGILGTT KDTPKLGLLL VILGVIFMNG NRASEAVLWE ALRKMGLRPG VRHPLLGLDLRKLITYEFVKQ KYLDYRRVNP SNPPEYEFLW GLRSYHETSK MKVLRFAIEV QKRDPDRTWA QFMEAADEAL DALDAAAAEA EARAEARTRMGIGDEAVSGP
Purity	>85% by SDS - PAGE

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Applications	SDS-PAGE
Storage	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.
Concentration	0.25 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name	MAGED1 melanoma antigen family D, 1 [Homo sapiens]
Official Symbol	MAGED1
Synonyms	MAGED1; melanoma antigen family D, 1; melanoma-associated antigen D1; DLXIN 1; NRAGE; MAGE-D1 antigen; MAGE tumor antigen CCF; neurotrophin receptor-interacting MAGE homolog; DLXIN-1;
Gene ID	9500
mRNA Refseq	NM_001005332
Protein Refseq	NP_001005332
MIM	300224
UniProt ID	Q9Y5V3
Chromosome Location	Xp11.23
Pathway	Apoptosis, organism-specific biosystem; Cell death signalling via NRAGE, NRIF and NADE, organism-specific biosystem; NRAGE signals death through JNK, organism-

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specific biosystem; Neurotrophic factor-mediated Trk receptor signaling, organism-specific biosystem; Neurotrophin signaling pathway, organism-specific biosystem; Neurotrophin signaling pathway, conserved biosystem; Regulation of Apoptosis, organism-specific biosystem;

Function

protein binding;

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