

---

**Product Data Sheet**


---

Product Name: MAGED1 Human  
 Cat. No.: GP23873  
 Batch No.: 1

**Product Data**

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	MAGED1; Melanoma Antigen Family D 1; Neurotrophin Receptor-Interacting; MAGE Homolog; NRAGE; MAGE Tumor Antigen CCF; MAGE-D1 Antigen; DLXIN-1; Melanoma-Associated Antigen D1.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSLRSPNS RASQNPAAQ PRDVALLQER ANKLVKYLML KDYTKVPIKR SEMLRDIIRE YTDVYPEIIE RACFVLEKKF GIQLKEIDKE EHLIYLISTP ESLAGILGTT KDTPKLG LLL VILGVIFMNG NRASEAVLWE ALRKMGLRPG VRHPLLGLDR KLLTYEFVKQ KYLDYRRVFN SNPPEYEFLW GLRSYHETSK MKVLRFIAEV QKRDPRDWTA QFMEAADEAL DALDAAAAEA EARAEARTRM GIGDEAVSGP.		
Formulation	MAGED1 protein solution (0.25mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 20% glycerol and 1mM DTT.		

**Introduction**

Melanoma-associated antigen D1 (MAGED1) belongs to the melanoma antigen gene (MAGE) family and expressed in virtually all normal adult tissues. MAGED1 is involved in the p75 neurotrophin receptor mediated programmed cell death pathway. MAGED1 is involved in Prader-Willi syndrome including hyperphagia, repetitive and compulsive behaviors, and cognitive impairment. MAGED1 is involved in the apoptotic response following NGF (nerve growth factor) binding in neuronal cells. MAGED1 hinders cell cycle progression, and facilitates NGFR-mediated apoptosis. MAGED1 functions as a regulator of the function of DLX family members. MAGED1 has a role in the circadian rhythm regulation.

**Stability**

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

---

## Product Data Sheet

---

periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

### Background

MAGED1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 280 amino acids (504-760 a.a) and having a molecular mass of 31.7kDa. MAGED1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

**Caution: Product has not been fully validated for medical applications. For research use only.**

**Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com**

**Address: 10292 Central Ave. #205, Montclair, CA, USA**