

# Recombinant Human SLC25A16 293 Cell Lysate

**Cat. No.** SLC25A16-1780HCL    **Lot. No.** (See product label)

## SPECIFICATION

### Product Overview

**Species** Human

**Source** HEK293

### Description

Antigen standard for solute carrier family 25 (mitochondrial carrier; Graves disease autoantigen), member 16 (SLC25A16), nuclear gene encoding mitochondrial protein is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.

### Components

This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).

**Size** 0.1 mg

### Storage Instruction

Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

 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

**Applications** ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

## GENE INFORMATION

|                            |                                                                                                                                                                                                                                                                                                  |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>           | SLC25A16 solute carrier family 25 (mitochondrial carrier; Graves disease autoantigen), member 16 [ Homo sapiens ]                                                                                                                                                                                |
| <b>Official Symbol</b>     | SLC25A16                                                                                                                                                                                                                                                                                         |
| <b>Synonyms</b>            | SLC25A16; solute carrier family 25 (mitochondrial carrier; Graves disease autoantigen), member 16; graves disease carrier protein; D10S105E; GDA; HGT.1; ML7; graves disease autoantigen; solute carrier family 25 member 16; mitochondrial solute carrier protein homolog; GDC; hML7; MGC39851; |
| <b>Gene ID</b>             | 8034                                                                                                                                                                                                                                                                                             |
| <b>mRNA Refseq</b>         | NM_152707                                                                                                                                                                                                                                                                                        |
| <b>Protein Refseq</b>      | NP_689920                                                                                                                                                                                                                                                                                        |
| <b>MIM</b>                 | 139080                                                                                                                                                                                                                                                                                           |
| <b>UniProt ID</b>          | P16260                                                                                                                                                                                                                                                                                           |
| <b>Chromosome Location</b> | 10q21.3-q22.1                                                                                                                                                                                                                                                                                    |
| <b>Pathway</b>             | Coenzyme A biosynthesis, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of vitamins and cofactors, organism-specific                                                                                                                                           |

 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

biosystem; Metabolism of water-soluble vitamins and cofactors, organism-specific biosystem; Vitamin B5 (pantothenate) metabolism, organism-specific biosystem;

**Function**

binding; solute:solute antiporter activity;

 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