

# Recombinant Human ECT2 293 Cell Lysate

**Cat. No.** ECT2-6728HCL    **Lot. No.** (See product label)

## SPECIFICATION

### Product Overview

**Species** Human

**Source** HEK293

### Description

Antigen standard for epithelial cell transforming sequence 2 oncogene (ECT2) 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**

**Gene Name** [ECT2 epithelial cell transforming sequence 2 oncogene \[ Homo sapiens \]](#)

**Official Symbol** ECT2

**Synonyms** ECT2; epithelial cell transforming sequence 2 oncogene; protein ECT2; ARHGEF31; epithelial cell-transforming sequence 2 oncogene; FLJ10461; MGC138291;

**Gene ID** [1894](#)

**mRNA Refseq** [NM\\_001258315](#)

**Protein Refseq** [NP\\_001245244](#)

**MIM** [600586](#)

**UniProt ID** [Q9H8V3](#)

**Chromosome Location** 3q26.1-q26.2

**Pathway**

Cell death signalling via NRAGE, NRIF and NADE, organism-specific biosystem; G alpha (12/13) signalling events, organism-specific biosystem; GPCR downstream signaling, organism-specific biosystem; NRAGE signals death through JNK, organism-specific biosystem; PLK1 signaling events, organism-specific biosystem; Regulation of RhoA activity, organism-specific biosystem; Rho GTPase cycle,

 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

organism-specific biosystem;

**Function**

GTPase activator activity; Rho GTPase binding; Rho guanyl-nucleotide exchange factor activity; guanyl-nucleotide exchange factor activity; protein binding; protein homodimerization activity; signal transducer 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