

Recombinant Human TAP1 293 Cell Lysate

Cat. No. TAP1-1254HCL **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for transporter 1, ATP-binding cassette, sub-family B (MDR/TAP) (TAP1) 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.
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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name [TAP1 transporter 1, ATP-binding cassette, sub-family B \(MDR/TAP\) \[Homo sapiens \]](#)

Official Symbol TAP1

Synonyms

TAP1; transporter 1, ATP-binding cassette, sub-family B (MDR/TAP); ABCB2; antigen peptide transporter 1; D6S114E; PSF1; RING4; ABC transporter, MHC 1; peptide supply factor 1; peptide transporter PSF1; peptide transporter TAP1; really interesting new gene 4 protein; ATP-binding cassette sub-family B member 2; transporter associated with antigen processing; peptide transporter involved in antigen processing 1; ATP-binding cassette, sub-family B (MDR/TAP), member 2; transporter, ATP-binding cassette, major histocompatibility complex, 1; APT1; ABC17; PSF-1; TAP1N; TAP1*0102N; FLJ26666; FLJ41500;

Gene ID [6890](#)

mRNA Refseq [NM_000593](#)

Protein Refseq [NP_000584](#)

MIM [170260](#)

UniProt ID [Q03518](#)

Chromosome Location 6p21.3

Pathway [ABC transporters, organism-specific biosystem](#); [ABC transporters, conserved](#)

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



biosystem; Adaptive Immune System, organism-specific biosystem; Antigen Presentation: Folding, assembly and peptide loading of class I MHC, organism-specific biosystem; Antigen processing and presentation, organism-specific biosystem; Antigen processing and presentation, conserved biosystem; Antigen processing-Cross presentation, organism-specific biosystem;

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA