

Recombinant Rat Tap1, His-tagged

Cat. No. Tap1-3511R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Antigen peptide transporter 1 (Tap1)
Species	Rat
Source	E.Coli/Yeast
ProteinLength	725
Description	has similarity to multidrug resistant transporters; may transport antigenic peptides across the endoplasmic reticulum membrane in preparation for MHC class I presentation .
Form	This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.
Purity	>90%
Notes	Small volumes of Tap1 recombinant protein may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice.
Storage	Store at -20 degree C. For extended storage, store at -20 or -80 degree C.
Storage Buffer	PBS pH 7.4, 50% glycerol

 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

Warning

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

GENE INFORMATION
Gene Name

Tap1 transporter 1, ATP-binding cassette, sub-family B (MDR/TAP) [*Rattus norvegicus*]

Official Symbol

Tap1

Synonyms

Cim; Tap2; Abcb2; antigen peptide transporter 1; APT1; peptide transporter TAP1; transporter 1 ABC (ATP binding cassette); ATP-binding cassette sub-family B member 2; transporter 1 ATP-binding cassette sub-family B

Gene ID

24811

mRNA Refseq

NM_032055

Protein Refseq

NP_114444

UniProt ID

P36370

Chromosome Location

20p12

Pathway

ABC transporters, organism-specific biosystem; ABC transporters, conserved biosystem; Antigen processing and presentation, organism-specific biosystem; Antigen processing and presentation, conserved biosystem; Herpes simplex infection, organism-specific b

Function

ADP binding; ADP binding; ADP binding; ATP binding; ATP binding; ATP binding;

 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

ATPase activity; ATPase activity; ATPase activity, coupled to transmembrane movement of substances; MHC class I protein binding; MHC class I protein binding; MHC class I protein binding; TAP1 binding; TAP2 binding; TAP2 binding; nucleotide binding; nucleotide binding; oligopeptide-transporting ATPase activity; Contributes_to peptide antigen binding; peptide antigen-transporting ATPase activity; peptide transporter activity; peptide transporter activity; contributes_to peptide transporter activity; protein heterodimerization activity; protein homodimerization activity; tapasin binding; tapasin binding; transporter activity;

 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