

Recombinant Rat Tap2, His-tagged

Cat. No. Tap2-3513R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Antigen peptide transporter 2 (Tap2)
Species	Rat
Source	E.Coli/Yeast
ProteinLength	703
Description	transports peptides into the ER lumen for binding with MHC class I molecules; plays a role in antigen processing and 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 Tap2 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

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Warning

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

GENE INFORMATION
Gene Name

Tap2 transporter 2, ATP-binding cassette, sub-family B (MDR/TAP) [*Rattus norvegicus*]

Official Symbol

Tap2

Synonyms

TAP2; transporter 2, ATP-binding cassette, sub-family B (MDR/TAP); antigen peptide transporter 2; APT2; Transporter 2 ABC (ATP binding cassette); ATP-binding cassette sub-family B member 3; Cim; Abcb3; MGC108646;

Gene ID

24812

mRNA Refseq

NM_032056

Protein Refseq

NP_114445

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

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transporter activity; contributes_to peptide transporter activity; protein heterodimerization activity; protein homodimerization activity; protein homodimerization activity; tapasin binding; tapasin binding; transporter activity; transporter activity;

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