

Recombinant Human TAP1 Protein, GST-tagged

Cat. No. TAP1-675H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human TAP1 Full-Length ORF Protein (1-808 aa) is produced by Wheat Germ (in vitro) expression system. This protein is fused with a GST tag at the N-terminal.
Species	Human
Source	Wheat Germ
ProteinLength	1-808 aa
Description	The membrane-associated protein encoded by this gene is a member of the superfamily of ATP-binding cassette (ABC) transporters. ABC proteins transport various molecules across extra- and intra-cellular membranes. ABC genes are divided into seven distinct subfamilies (ABC1, MDR/TAP, MRP, ALD, OABP, GCN20, White). This protein is a member of the MDR/TAP subfamily. Members of the MDR/TAP subfamily are involved in multidrug resistance. The protein encoded by this gene is involved in the pumping of degraded cytosolic peptides across the endoplasmic reticulum into the membrane-bound compartment where class I molecules assemble. Mutations in this gene may be associated with ankylosing spondylitis, insulin-dependent diabetes mellitus, and celiac disease.
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	113.6 kDa

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AA Sequence

MAELLASAGSACSWDFPRAPPSFPPPAASRGGLGGTRSFPRPHRGAE SPRPGRDR
 DGVRVPMASSRCPAPRGCRCLPGASLAWLGTVLLLLADWVLLRTALPRIFSLLVPTA
 LPLL RVWAVGLSRWAVLWL GACGVL RATVGS KSENAGA QGWLAALKPLAAALGLA
 L PGLALFRELISWGAPGSADSTRLLHWGSHPTAFVVS YAAALPAAALWHKLGSLWV
 PGGQGGSGNPVRRLLGCLGSETRRLSLFLVLVLSL GEMAIPFFTGR LTDWILQDG
 SADTFTRNLTLMSILTIA SAVLEFVG DGIYNN TMGHVHSHLQGEVFGAVLRQETEFFQ
 QNQTGNIMSRVTEDTSTLSDSLSENLSLFLWYLVRGLCLLGIMLWGSVSLTMVTLITL
 PLLFLLPKKVGK WYQLLEVQVRESLAKSSQVAIEALSAMPTVRSFANEEGEAQKFRE
 KLQEIKTLNQKEAVAYAVNSWTTISGMLLKVGILYIGGQLVTSGAVSSGNLVTFVLY
 QMQFTQAVEVLLSIYPRVQKAVGSSEKIFEYLDRTPRCPPSGLLTPLHLEGLVQFQD
 VSFAYPNRPDVLVLQGLTFTLRPGEV TALVGPNGSGKSTVAALLQONLYQPTGGQLLL
 DGKPLPQYEHRYLHRQVA AVGQEPQV FGRSLQENIAYGLTQKPTMEEITAAAVKSG
 AHSFISGLPQGYDTEVDEAGSQLSGGQRQAVALARALIRKPCVLILDDATSALDANS
 QLQVEQLLYESPERYSRSVLLITQHLSLVEQADHILFLEGGAIREGGTHQQLMEKKG
 CYWAMVQAPADAPE

Applications

Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein);
 Antibody Production; Protein Array

Notes

Best use within three months from the date of receipt of this protein

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION
Gene Name

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

Official Symbol

TAP1

Synonyms

TAP1; ABCB2; D6S114E; PSF1; RING4; APT1; ABC17; PSF-1; TAP1N;

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TAP1*0102N; FLJ26666; FLJ41500;

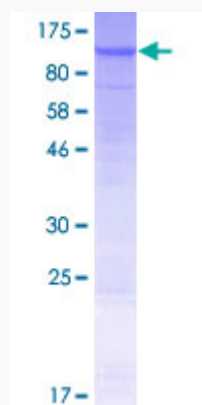
Gene ID 6890

mRNA Refseq NM_000593

Protein Refseq NP_000584

MIM 170260

UniProt ID Q03518



12.5% SDS-PAGE Stained with Coomassie Blue.

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