

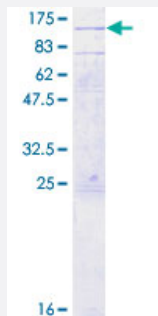
Full-Length

TAP2 (Human) Recombinant Protein (P02)

Catalog # H00006891-P02

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human TAP2 full-length ORF (ENSP00000372599, 1 a.a. - 686 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MRLPDLRPWTSLLLVDALLWLLQGGLGTLTPQGLPGLWLEGTLRLGGLWGLLKLRGLLGFVGTLLPLCLATPLTVSLRALVAGASRAPPARVASAPWSWLLVGYGAAGLSWSLWAVLSPPGAQEKEQDQVNNKVLMMWRLLKSRPDLPLLVAAFFFLVLAVLGETLIPHYSGRVIDILGGDFDPHAFASAIFFMCLFSFGSSLSAGCRGGCFTYMSRINLRIREQLFSSLLRQDLGFFQETKTGELNSRLSSDTTLMSNWLPNANVLLRSLVKVVGLYGFMLSISPRLTLLSLLHMPFTIAAEKVYNTRHQEVLREIQDAVARAGQVREAVGGLQTVRSFGAAEEHEVCRYKEALEQCRQLYWRDLERALYLLVRRVLHLGVQMLMLSCGLQQMQDGELTQGSLLSFMVQESVGSYVQTLVYIGDMLSNVGAAEKVFSYMDRQPNLPSPGTLPATTLQGVVKFQDVSFAYPNRPDRPVLKGLTFTLRPGEVTALVGPNGSGKSTVAALLQNLVYQPTGGQVLLDEKPISQYEHCYLHSQVSVGQEPVLFSGSVRNNAIYGLQSCEDDKVMAAAQAAHADDFIQEMEHGIYTDVGEKGSQLAAGQKQRLAIARALVRDPRVLILDEATSALDVQCEQALQDWNSRGDRTVLVIAHRLQTVQRAHQILVLQEGKLQKLAQL

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

102.1

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

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

Gene Info — TAP2

Entrez GeneID	6891
GeneBank Accession#	ENST00000383118
Protein Accession#	ENSP00000372599
Gene Name	TAP2
Gene Alias	ABC18, ABCB3, APT2, D6S217E, PSF2, RING11
Gene Description	transporter 2, ATP-binding cassette, sub-family B (MDR/TAP)
Omim ID	170261 604571
Gene Ontology	Hyperlink

Gene Summary	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. This gene is located 7 kb telomeric to gene family member ABCB2. The protein encoded by this gene is involved in antigen presentation. This protein forms a heterodimer with ABCB2 in order to transport peptides from the cytoplasm to the endoplasmic reticulum. Mutations in this gene may be associated with ankylosing spondylitis, insulin-dependent diabetes mellitus, and celiac disease. Alternative splicing of this gene produces two products which differ in peptide selectivity and level of restoration of surface expression of MHC class I molecules. [provided by RefSeq]
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Other Designations

ABC transporter, MHC 2|ATP-binding cassette, sub-family B (MDR/TAP), member 3|OTTHUMP0000029079|OTTHUMP00000038912|OTTHUMP00000038914|antigen peptide transporter 2|peptide supply factor 2|peptide transporter PSF2|transporter 2, ABC (ATP binding cassette)

Pathway

- [ABC transporters](#)
- [Antigen processing and presentation](#)
- [Primary immunodeficiency](#)

Disease

- [Abortion](#)
- [Adenocarcinoma](#)
- [Alzheimer disease](#)
- [Arthritis](#)
- [Asthma](#)
- [Behcet Syndrome](#)
- [Bronchiectasis](#)
- [Bronchiolitis](#)
- [Brucellosis](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Cervical Intraepithelial Neoplasia](#)
- [Chronic Disease](#)
- [Coronary Aneurysm](#)
- [Cystic fibrosis](#)
- [Dengue](#)
- [Dengue Hemorrhagic Fever](#)

- [Dermatitis](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Disease Susceptibility](#)
- [Echinococcosis](#)
- [Edema](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Glaucoma](#)
- [Graves Disease](#)
- [Hepatitis B](#)
- [Hepatitis C](#)
- [HIV Infections](#)
- [HIV Seropositivity](#)
- [Hypersensitivity](#)
- [Infant](#)
- [Kidney Failure](#)
- [Lupus Erythematosus](#)
- [Measles](#)
- [Mucocutaneous Lymph Node Syndrome](#)
- [Papillomavirus Infections](#)
- [Pemphigus](#)
- [Pre-Eclampsia](#)
- [Psoriasis](#)
- [Respiratory Syncytial Virus Infections](#)
- [Rhinitis](#)

- [Schizophrenia](#)
- [Scleroderma](#)
- [Spondylitis](#)
- [Tuberculosis](#)
- [Urinary Calculi](#)
- [Uterine Cervical Neoplasms](#)