

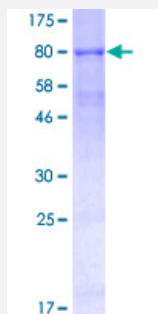
Full-Length

TMPRSS2 (Human) Recombinant Protein (P01)

Catalog # H00007113-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human TMPRSS2 full-length ORF (AAH51839.1, 1 a.a. - 492 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MALNSGSPPAIEPYENHGYQPENPYPAQPTVVPTVYEVHPAQYYPSPVPQYAPRVLTQASDPVV
CTQPKSPSGTVCTSKTKKALCITLTLGTFLVGAALAAGLLWKFMSGKCSNSGIECDSSGTCINPSN
WCDGVSHCPGGEDENRCVRLYGPNFILQVYSSQRKSWHPVCQDDWNENYGRAACRDMGYKN
NFYSSQGMVDDSGSTSFMKLNTSAGNVDIYKKLYHSDACSSKAVVSLRCIACGVNLNSSRQSRVG
GESALPGAWPWQVSLHVQNVHVCSSITPEWIVTAAHCVEKPLNNPWHWTAFAGILRQSFMFY
GAGYQVEKVISHPNYDSKTKNNDIALMKLQKPLTFNDLVKPVCLPNPGMMLQPEQLCWISGWGA
TEEKGKTSEVLNAAKVLLIETQRCNSRYVDNLITPAMICAGFLQGNVDSCQGDSGGPLVTSKNNI
WWLIGDTSWGS GCAKAYRPGVYGNV/MVFTDWYRQMRADG

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

79.86

Interspecies Antigen Sequence

Mouse (78); Rat (78)

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 — TMPRSS2

Entrez GeneID	7113
GeneBank Accession#	BC051839
Protein Accession#	AAH51839.1
Gene Name	TMPRSS2
Gene Alias	FLJ41954, PP9284, PRSS10
Gene Description	transmembrane protease, serine 2
Omim ID	602060
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a protein that belongs to the serine protease family. The encoded protein contains a type II transmembrane domain, a receptor class A domain, a scavenger receptor cysteine-rich domain and a protease domain. Serine proteases are known to be involved in many physiological and pathological processes. This gene was demonstrated to be up-regulated by androgenic hormones in prostate cancer cells and down-regulated in androgen-independent prostate cancer tissue. The protease domain of this protein is thought to be cleaved and secreted into cell media after autocleavage. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]
Other Designations	epitheliasin

Disease

- [Genetic Predisposition to Disease](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)