

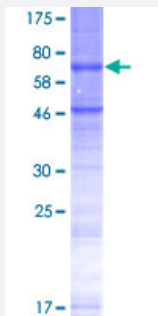
Full-Length

STEAP2 (Human) Recombinant Protein (P01)

Catalog # H00261729-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human STEAP2 full-length ORF (AA48825.1, 1 a.a. - 490 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MESISMMGSPKSLSETFLPNGINGIKDARKVTVGVIGSGDFAKSLTIRLIRCGYHVVIGSRNPKFASE
FFPHVVDVTHHEDALTKTNIIFVAIHREHYTSLWDLRHLLVGKILIDVSNMRINQYPESNAEYLASLF
PDSLIVKGFNVVSAWALQLGPKDASRQVYICSNNIQARQQVIELARQLNFIPIDLGSLSAREIENLP
LRLFTLWRGPVVVAISLATFFFLYSFVRDVIHPYARNQQSDFYKIPIEVNKTLPVAILLLSLVLAGLL
AAAYQLYYGTKYRRFPWLETWLQCRKQLGLLSFFAMVHVAYSCLCPMRRSERYFLNMAYQQ
VHANIENSWNEEEVWRIEMYISFGIMSLGLLSLLAVTSIPSVSNALNWREFSFIQSTLGYVALLISTFH
VLIYGWKRAFEETYYRFTPPNFVLALVLPSPVILGKILFLPCISRKLKRIKKGWEKSQFLEEGMGGTI
PHVSPERVTVM

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

80.85

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 — STEAP2

Entrez GeneID[261729](#)**GeneBank Accession#**[BC148824](#)**Protein Accession#**[AA48825.1](#)**Gene Name**

STEAP2

Gene Alias

IPCA1, PCANAP1, PUMPCn, STAMP1, STMP

Gene Description

six transmembrane epithelial antigen of the prostate 2

Omim ID[605094](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

This gene is a member of the STEAP family and encodes a multi-pass membrane protein that localizes to the Golgi complex, the plasma membrane, and the vesicular tubular structures in the cytosol. A highly similar protein in mouse has both ferrireductase and cupric reductase activity, and stimulates the cellular uptake of both iron and copper in vitro. Increased transcriptional expression of the human gene is associated with prostate cancer progression. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq]

Other Designations

OTTHUMP00000067572|OTTHUMP00000067575|SixTransMembrane Protein of Prostate 1|prostate cancer associated protein 1|protein upregulated in metastatic prostate cancer|six transmembrane epithelial antigen of prostate 2

Disease

- [Tobacco Use Disorder](#)