

Prostate stem cell antigen Recombinant Protein | PSCA recombinant protein

Recombinant Human Prostate stem cell antigen

CATALOG # AAA115326	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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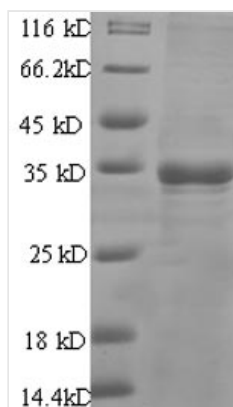
PRODUCT SYNONYMS

Prostate stem cell antigen; Recombinant Human Prostate stem cell antigen; PSCA recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	12-86aa; Full Length of Mature Protein
Sequence	LLCYSCKAQV SNEDCLQVEN CTQLGECWT ARIRAVGLLT VISKGCSLNC VDDSQDYVVG KKNITCCDTD LCNAS
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for PSCA recombinant protein	May be involved in the regulation of cell proliferation. Has a cell-proliferation inhibition activity in vitro.
Product Categories/Family for PSCA recombinant protein	Cancer

References

Prostate stem cell antigen a cell surface marker overexpressed in prostate cancer.Reiter R.E., Gu Z., Watabe T., Thomas G., Szigeti K., Davis E., Wahl M., Nisitani S., Yamashiro J., le Beau M.M., Losa M., Witte O.N.Proc. Natl. Acad. Sci. U.S.A. 95:1735-1740(1998) Reduced expression of PSCA, a member of the LY-6 family of cell surface antigens, in bladder, esophagus, and stomach tumors.Bahrenberg G., Brauers A., Joost H.G., Jakse G.Biochem. Biophys. Res. Commun. 275:783-788(2000) DNA sequence and analysis of human chromosome 8.Nusbaum C., Mikkelsen T.S., Zody M.C., Asakawa S., Taudien S., Garber M., Kodira C.D., Schueler M.G., Shimizu A., Whittaker C.A., Chang J.L., Cuomo C.A., Dewar K., FitzGerald M.G., Yang X., Allen N.R., Anderson S., Asakawa T., Blechschmidt K., Bloom T., Borowsky M.L., Butler J., Cook A., Corum B., DeArellano K., DeCaprio D., Dooley K.T., Dorris L. III, Engels R., Gloeckner G., Hafez N., Hagopian D.S., Hall J.L., Ishikawa S.K., Jaffe D.B., Kamat A., Kudoh J., Lehmann R., Lokitsang T., Macdonald P., Major J.E., Matthews C.D., Mauceli E., Menzel U., Mihalev A.H., Minoshima S., Murayama Y., Naylor J.W., Nicol R., Nguyen C., O'Leary S.B., O'Neill K., Parker S.C.J., Polley A., Raymond C.K., Reichwald K., Rodriguez J., Sasaki T., Schilhabel M., Siddiqui R., Smith C.L., Sneddon T.P., Talamas J.A., Tenzin P., Topham K., Venkataraman V., Wen G., Yamazaki S., Young S.K., Zeng Q., Zimmer A.R., Rosenthal A., Birren B.W., Platzer M., Shimizu N., Lander E.S.Nature 439:331-335(2006) The secreted protein discovery initiative (SPDI) , a large-scale effort to identify novel human secreted and transmembrane proteins a bioinformatics assessment.Clark H.F., Gurney A.L., Abaya E., Baker K., Baldwin D.T., Brush J., Chen J., Chow B., Chui C., Crowley C., Currell B., Deuel B., Dowd P., Eaton D., Foster J.S., Grimaldi C., Gu Q., Hass P.E., Heldens S., Huang A., Kim H.S., Klimowski L., Jin Y., Johnson S., Lee J., Lewis L., Liao D., Mark M.R., Robbie E., Sanchez C., Schoenfeld J., Seshagiri S., Simmons L., Singh J., Smith V., Stinson J., Vagts A., Vandlen R.L., Watanabe C., Wieand D., Woods K., Xie M.-H., Yansura D.G., Yi S., Yu G., Yuan J., Zhang M., Zhang Z., Goddard A.D., Wood W.I., Godowski P.J., Gray A.M.Genome Res. 13:2265-2270(2003) Signal peptide prediction based on analysis of experimentally verified cleavage sites.Zhang Z., Henzel W.J.Protein Sci. 13:2819-2824(2004) Prostate stem cell antigen (PSCA) expression increases with high gleason score, advanced stage and bone metastasis in prostate cancer.Gu Z., Thomas G., Yamashiro J., Shintaku I.P., Dorey F., Raitano A., Witte O.N., Said J.W., Loda M., Reiter R.E.Oncogene 19:1288-1296(2000) Genetic variation in PSCA is associated with susceptibility to diffuse-type gastric cancer.The study group of millennium genome project for cancerSakamoto H., Yoshimura K., Saeki N., Katai H., Shimoda T., Matsuno Y., Saito D., Sugimura H., Tanioka F., Kato S., Matsukura N., Matsuda N., Nakamura T., Hyodo I., Nishina T., Yasui W., Hirose H., Hayashi M., Toshiro E., Ohnami S., Sekine A., Sato Y., Totsuka H., Ando M., Takemura R., Takahashi Y., Ohdaira M., Aoki K., Honmyo I., Chiku S., Aoyagi K., Sasaki H., Ohnami S., Yanagihara K., Yoon K.-A., Kook M.-C., Lee Y.-S., Park S.R., Kim C.G., Choi I.J., Yoshida T., Nakamura Y., Hirohashi S.Nat. Genet. 40:730-740(2008)

NCBI AND UNIPROT INFORMATION

UniProt Accession #	O43653; Q6UW92
Molecular Weight	10.2 kDa
UniProt Protein Name	Prostate stem cell antigen
UniProt Gene Name	PSCA
UniProt Entry Name	PSCA_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/psca-recombinant-protein-e-coli/115326>