

Cathepsin B Recombinant Protein | CTSB recombinant protein

Recombinant Human Cathepsin B

CATALOG # AAA81608	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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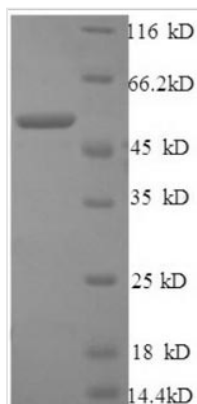
PRODUCT SYNONYMS

Cathepsin B; Recombinant Human Cathepsin B; APP secretase; APPS; Cathepsin B1; CTSB 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	82-333aa; Partial
Sequence	ASFDAREQWP QCPTIKEIRD QGSCGSCWAF GAVEAISDRI CIHTNAHVS EVSAEDLLTC CGSMCGDGCN GGYPAEAWNF WTRKGLVSGG LYESHVGC RP YSIPPCEHHV NGS RPPCTGE GDTPKCSKIC EPGYSPTYKQ DKHYGYNSYS VSNSEKDIMA EIYKNGPVEG AFSVYSDFLL YKSGVYQHVT GEMMGHAI R ILGWGVENG T PYWLVANSWN TDWGDNGFFK ILRGQDHCGI ESEV VAGIPR TD
Sequence Length	333
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 CTSB recombinant protein	Thiol protease which is believed to participate in intracellular degradation and turnover of proteins. Has also been implicated in tumor invasion and metastasis.
Product Categories/Family for CTSB recombinant protein	Neuroscience

References

Nucleotide and predicted amino acid sequences of cloned human and mouse preprocathepsin B cDNAs.Chan S.J., San Segundo B., McCormick M.B., Steiner D.F.Proc. Natl. Acad. Sci. U.S.A. 83:7721-7725(1986) Human gastric adenocarcinoma cathepsin B isolation and sequencing of full-length cDNAs and polymorphisms of the gene.Cao L., Taggart R.T., Berquin I.M., Moin K., Fong D., Sloane B.F.Gene 139:163-169(1994) Complete sequencing and characterization of 21,243 full-length human cDNAs.Ota T., Suzuki Y., Nishikawa T., Otsuki T., Sugiyama T., Irie R., Wakamatsu A., Hayashi K., Sato H., Nagai K., Kimura K., Makita H., Sekine M., Obayashi M., Nishi T., Shibahara T., Tanaka T., Ishii S., Yamamoto J., Saito K., Kawai Y., Isono Y., Nakamura Y., Nagahari K., Murakami K., Yasuda T., Iwayanagi T., Wagatsuma M., Shiratori A., Sudo H., Hosoiri T., Kaku Y., Kodaira H., Kondo H., Sugawara M., Takahashi M., Kanda K., Yokoi T., Furuya T., Kikkawa E., Omura Y., Abe K., Kamihara K., Katsuta N., Sato K., Tanikawa M., Yamazaki M., Ninomiya K., Ishibashi T., Yamashita H., Murakawa K., Fujimori K., Tanai H., Kimata M., Watanabe M., Hiraoka S., Chiba Y., Ishida S., Ono Y., Takiguchi S., Watanabe S., Yosida M., Hotuta T., Kusano J., Kanehori K., Takahashi-Fujii A., Hara H., Tanase T.-O., Nomura Y., Togiya S., Komai F., Hara R., Takeuchi K., Arita M., Imose N., Musashino K., Yuuki H., Oshima A., Sasaki N., Aotsuka S., Yoshikawa Y., Matsunawa H., Ichihara T., Shiohata N., Sano S., Moriya S., Momiyama H., Satoh N., Takami S., Terashima Y., Suzuki O., Nakagawa S., Senoh A., Mizoguchi H., Goto Y., Shimizu F., Wakebe H., Hishigaki H., Watanabe T., Sugiyama A., Takemoto M., Kawakami B., Yamazaki M., Watanabe K., Kumagai A., Itakura S., Fukuzumi Y., Fujimori Y., Komiyama M., Tashiro H., Tanigami A., Fujiwara T., Ono T., Yamada K., Fujii Y., Ozaki K., Hirao M., Ohmori Y., Kawabata A., Hikiji T., Kobatake N., Inagaki H., Ikema Y., Okamoto S., Okitani R., Kawakami T., Noguchi S., Itoh T., Shigeta K., Senba T., Matsumura K., Nakajima Y., Mizuno T., Morinaga M., Sasaki M., Togashi T., Oyama M., Hata H., Watanabe M., Komatsu T., Mizushima-Sugano J., Satoh T., Shirai Y., Takahashi Y., Nakagawa K., Okumura K., Nagase T., Nomura N., Kikuchi H., Masuho Y., Yamashita R., Nakai K., Yada T., Nakamura Y., Ohara O., Isogai T., Sugano S.Nat. Genet. 36:40-45(2004) Signal sequence and keyword trap in silico for selection of full-length human cDNAs encoding secretion or membrane proteins from oligo-capped cDNA libraries.Otsuki T., Ota T., Nishikawa T., Hayashi K., Suzuki Y., Yamamoto J., Wakamatsu A., Kimura K., Sakamoto K., Hatano N., Kawai Y., Ishii S., Saito K., Kojima S., Sugiyama T., Ono T., Okano K., Yoshikawa Y., Aotsuka S., Sasaki N., Hattori A., Okumura K., Nagai K., Sugano S., Isogai T.DNA Res. 12:117-126(2005)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503139
NCBI GeneID	1508
NCBI Accession #	NP_001899.1
NCBI GenBank Nucleotide #	NM_001908.4
UniProt Accession #	P07858; Q503A6; Q96D87; B3KQR5; B3KRR5
Molecular Weight	54.6 kDa
NCBI Official Full Name	cathepsin B isoform 1 preproprotein
NCBI Official Synonym Full Names	cathepsin B
NCBI Official Symbol	CTSB
NCBI Official Synonym Symbols	APPS; CPSB
NCBI Protein Information	cathepsin B
UniProt Protein Name	Cathepsin B
UniProt Gene Name	CTSB
UniProt Synonym Gene Names	CPSB; APPS
UniProt Entry Name	CATB_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.