

Recombinant Full Length Human CAPN5 Protein, GST-tagged

Cat. No. CAPN5-2821HF Lot. No. (See product label)

SPECIFICATION

Product Overview	Human CAPN5 full-length ORF (NP_004046.2, 1 a.a. - 640 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
Protein Length	640 amino acids
Description	Calpains are calcium-dependent cysteine proteases involved in signal transduction in a variety of cellular processes. A functional calpain protein consists of an invariant small subunit and 1 of a family of large subunits. CAPN5 is one of the large subunits. Unlike some of the calpains, CAPN5 and CAPN6 lack a calmodulin-like domain IV. Because of the significant similarity to <i>Caenorhabditis elegans</i> sex determination gene <i>tra-3</i> , CAPN5 is also called as HTRA3. [provided by RefSeq, Jul 2008]
Molecular Mass	99.6 kDa
AA Sequence	MFSCVKPYEDQNYLSALRRDCRRRKVLFEDPLFPATDDSLYYKGTGPAVRWKRPK GICEDPRLFVDGISSHDLHQGQVGNCFVAAACSSLASRESLWQKVIPDWKEQEW PEKPNAYAGIFHFHFWRFGEWVDVVIDDRLPTVNNQLIYCHSNSRNEFWCALVEKA YAKLAGCYQALDGGNTADALVDFTGGVSEPIDLTEGDFANDETKRNQLFERMLKVH SRGGLISASIKAVTAADMEARLACGLVKGHAYAVTDVRKVRLLGHLLAFFKSEKLD IRLRNPWGEREWNGPWSDTSEEWQKVSKSEREKMGVTVQDDGEFWMTFEDVCR YFTDIKCRVINTSHLSIHKTWEEARLHGAWTLHEDPRQNRGGGCINHKDFTFFQNPQ

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YIFEVKKPEDEVLCIQQRPKRSTRREGKGENLAIGFDIYKVEENRQYRMHSLQHKAA
 SSIYINSRSVFLRTDQPEGRYVIIPTTFEPGHTGEFLLRVFTDVPSNCRELRLDEPPHT
 CWSSLCGYQLVTQVHVLGAAGLKDSPTGANSYVVIKCEGDKVRSVAVQKGTSTPEY
 NVKGIFYRKKLSQPITVQVWNHRVLKDEFLGQVHLKADPDNLQALHTLHLRDRNSR
 QPSNLPGTVAHVHLSSTSLMAV

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

Storage Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name CAPN5 calpain 5 [Homo sapiens]

Official Symbol CAPN5

Synonyms CAPN5; calpain 5; calpain-5; HTRA3; nCL 3; new calpain 3; calpain htra-3; nCL-3; FLJ46245;

Gene ID 726

mRNA Refseq NM_004055

Protein Refseq NP_004046

MIM 602537

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UniProt ID

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