



# Recombinant Human Calpain-11 (CAPN11)

<b>Product Code</b>	CSB-YP891971HU
<b>Abbreviation</b>	CAPN11
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	Q9UMQ6
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	<p>           MLYSPGPSLP ESAESLDGSQ EDKPRGSCAE PTFTDTGMVA HINNSRLKAK            GVGQHDNAQN FGNQSFEELR AACLRKGELF EDPLFPAEPS SLGFKDLGPN            SKNVQNIWQ RPKDIINNPL FIMDGISPTD ICQGILGDCW LLAAIGSLTT            CPKLLYRVVP RGQSFKKNYA GIFHFQIWQF GQWVNVVDD RLPTKNDKLV            FVHSTERSEF WSALLEKAYA KLSGSYEALS GGSTMEGLED FTGGVAQSFQ            LQRPPQNLLR LLRKAVERSS LMGCSIEVTS DSELESMTDK MLVRGHAYSV            TGLQDVHYRG KMETLIRVRN PWGRIEWNGA WSDSAREWEE VASDIQMQLL            HKTEDGEFWM SYQDFLNNFT LLEICNLTPD TLSGDYKSYW HTTFYEGSWR            RGSSAGGCRN HPGTFWTNPQ FKISLPEGDD PEDDAEGNVV VCTCLVALMQ            KNWRHARQQG AQLQTIGFVL YAVPKEFQNI QDVHLKKEFF TKYQDHGFSE            IFTNSREVSS QLRLPPGEYI IIPSTFEPHR DADFLLRVFT EKHSESWELD            EVNYAEQLQE EKVSEDDMDQ DFLHLFKIVA GEGKEIGVYE LQRLNRMAL            KFKSFKTKGF GLDACRCMIN LMDKDGSGKL GLEFKILWK KLKKWMDIFR            ECDQDHSGTL NSYEMRLVIE KAGIKLNNKV MQVLVARYAD DDLIIDFDSF            ISCFLRLKTM FTFFLTMDPK NTGHICLSLE QWLQMTMWG         </p>
<b>Source</b>	Yeast
<b>Target Names</b>	CAPN11
<b>Protein Names</b>	Recommended name: Calpain-11 EC= 3.4.22.- Alternative name(s): Calcium-activated neutral proteinase 11 Short name= CANP 11
<b>Expression Region</b>	1-739
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	full length protein
<b>Target Details</b>	Calpains constitute a family of intracellular calcium-dependent cysteine proteases. There are eight members in this superfamily. They consist of a variable 80 kDa subunit and an invariant 30 kDa subunit. This calpain protein appears to have protease activity and calcium-binding ability. A similar mouse protein may play a functional role in spermatogenesis and in the regulation of



calcium-dependent signal transduction events during meiosis.

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**Reconstitution**

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

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**Shelf Life**

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