Recombinant Human Calpain-11 (CAPN11)

Product Code	CSB-EP891971HU
Abbreviation	CAPN11
Storage	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.
Uniprot No.	Q9UMQ6
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	MLYSPGPSLP ESAESLDGSQ EDKPRGSCAE PTFTDTGMVA HINNSRLKAK GVGQHDNAQN FGNQSFEELR AACLRKGELF EDPLFPAEPS SLGFKDLGPN SKNVQNISWQ RPKDIINNPL FIMDGISPTD ICQGILGDCW LLAAIGSLTT CPKLLYRVVP RGQSFKKNYA GIFHFQIWQF GQWVNVVVDD 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 LQRLLNRMAI KFKSFKTKGF GLDACRCMIN LMDKDGSGKL GLLEFKILWK KLKKWMDIFR ECDQDHSGTL NSYEMRLVIE KAGIKLNNKV MQVLVARYAD DDLIIDFDSF ISCFLRLKTM FTFFLTMDPK NTGHICLSLE QWLQMTMWG
Source	E.coli
Target Names	CAPN11
Protein Names	Recommended name: Calpain-11 EC= 3.4.22.- Alternative name(s): Calcium-activated neutral proteinase 11 Short name= CANP 11
Expression Region	1-739
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	full length protein
Target Details	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.
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.
Shelf Life	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.