

Recombinant Full Length Human CAPN11 Protein, GST-tagged

Cat. No. CAPN11-1746HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CAPN11(1 a.a. - 702 a.a.) fused with GST tag at N-terminal was expressed in Wheat Germ.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	702 amino acids
Description	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.
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	107 kDa
AA Sequence	MVAHINNSRLKAKGVGQHDNAQNFGNQSFEEELRAACLRKGELFEDPLFPAEPSSLG FKDLGPNSKNVQNIWQRPKDIINNPLFIMDGISPTDICQGILGDCWLLAAIGSLTTC KLLYRVVPRGQSFKKNYAGIFHFQIWQFGQWVNVVDDRLPTKNDKLVFVHSTERS EFWSALLEKAYAKLSGSYEALSGGSTMEGLEDFGGVAQSFQLQRPPQNLLRLLRK AVERSSLMGCSIEVTSDELESMETDKMLVRGHAYSVTGLQDVHYRGKMETLIRVRN

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PWGRIEWNGAWSDSAREWEEVASDIQMQLLHKTEDGEFWMSYQDFLNNFTLLEIC
 NLTPDTLSGDYKSYWHTTFYEGSWRRGSSAGGCRNHPGTFWTNPQFKISLPEGDD
 PEDDAEGNVVACTCLVALMQKNWRHARQQGAQLQTIGFVLYAVPKEFQNIQDVHLK
 KEFFTKYQDHGFSEIFTNSREVSSQLRLPPGEYIIIPSTFEPHRDADFLLRVFTEKHSE
 SWELDEVNYAEQLQEEKVSEDDMDQDFLHLFKIVAGEGKEIGVYELQRLNRMIAKF
 KSFKTKGFGLDACRCMINLMDKDGSGKLGLLEFKILWKKLKKWMDIFRECDQDHSG
 TLNSYEMRLVIEKAGIKLNNKVMQVLVARYADDDLIIDFDSFISCFRLRLKTMFTFFLTM
 DPKNTGHICLSLEQWLQMTMWG

Applications

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

Notes

Best use within three months from the date of receipt of this protein.

Storage

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

GENE INFORMATION

Gene Name

[CAPN11 calpain 11 \[Homo sapiens \]](#)

Official Symbol

[CAPN11](#)

Synonyms

CAPN11; calpain 11; calpain-11; CANP 11; calcium-activated neutral proteinase 11;
 calpain11

Gene ID

[11131](#)

mRNA Refseq

[NM_007058](#)

Protein Refseq

[NP_008989](#)

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MIM	604822
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UniProt ID	Q9UMQ6
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