

Full-Length

CAPN7 (Human) Recombinant Protein (P01)

Catalog # H00023473-P01

Size 50 ug

Specification

Product Description	Human CAPN7 full-length ORF (BAG36919.1, 1 a.a. - 813 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MDATALERDAVQFARLAVQRDHEGRYSEAVFYKAAQALIYAEMAGSSLENIQEKITEYLERVQALHSAVQSKSADPLKSKHQDLERAHFLVTQAFDEDEKENVEDAIELYTEAVDLCLKTSYETADKVLQNKLKQLARQALDRAEALSEPLTKPVGKISSTSVKPKPPPVRAHFPLGANPFLEPQSFISPQSCDAQGQRYTAAEEIEVLRTTSKINGIEYVPMNVDLRERFAYMPFCDRWGKLPLSPKQKTTFSKWVRPEDLTNNPTMYTVSSFSIKQTIASDCSFVASLAISAAYERRFNKKLITGIYPQNKDGEPEYNPCGKYMVKLHLNGVPRKVIIDDQLPVDHKGELLCSYSNNKSELWVSLIEKAYMKVMGGYDFPGSNSNIDLHALTGWIPERIAMHSDSQTFSDKNSFRMLYQRFHKGDVLITASTGMMTEAEGEKWGLVPTHAYAVLDIREFKGLRFIQLKNPWSHLRWKGRYSENDVKNWTPELQKYLNFDPRTAQKIDNGIFWISWDLDCQYYDVYLSWNPGLFKESTCIHSTWDAKQGPVKDAYSLANNPQYKLEVQCPQGGAAVWVLLSRHITDKDDFANNREFITMVVYKTDGKKVYYPADPPPYIDGIRINSPHYLTKIKLTTPGTHFTLVVSQYEKQNTIHYTVRVYSACSFTFSKIPSPYTLKSRINGKWSGQSAGGCGNFQETHKNNPIYQFHIEKTGPLLIELRGPRQYSVGFEVVTVSTLGDPGPHGFLRKSSGDYRCGFCYLELENIPSGIFNIIPSTFLPKQEGPFFLDFNSIPIKITQLQ
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	119
Interspecies Antigen Sequence	Mouse (95); Rat (95)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

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

Gene Info — CAPN7

Entrez GeneID [23473](#)

GeneBank Accession# [AK314253.1](#)

Protein Accession# [BAG36919.1](#)

Gene Name CAPN7

Gene Alias CALPAIN7, FLJ36423, PALBH

Gene Description calpain 7

Omim ID [606400](#)

Gene Ontology [Hyperlink](#)

Gene Summary Calpains are ubiquitous, well-conserved family of calcium-dependent, cysteine proteases. The calpain proteins are heterodimers consisting of an invariant small subunit and variable large subunits. The large subunit possesses a cysteine protease domain, and both subunits possess calcium-binding domains. Calpains have been implicated in neurodegenerative processes, as their activation can be triggered by calcium influx and oxidative stress. The function of the protein encoded by this gene is not known. An orthologue has been found in mouse but it seems to diverge from other family members. The mouse orthologue is thought to be calcium independent with protease activity. [provided by RefSeq]

Other Designations calpain like protease|homolog of Aspergillus Nidulans PALB