

Recombinant Pig CAPN2 Protein, His-tagged

Cat. No. CAPN2-001P **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Full length pig CAPN2 recombinant protein with His-SUMO-tag was expressed in E.coli.
Species	Pig
Source	E.coli
Description	The calpains, calcium-activated neutral proteases, are nonlysosomal, intracellular cysteine proteases. The mammalian calpains include ubiquitous, stomach-specific, and muscle-specific proteins. The ubiquitous enzymes consist of heterodimers with distinct large, catalytic subunits associated with a common small, regulatory subunit. This gene encodes the large subunit of the ubiquitous enzyme, calpain 2. Multiple heterogeneous transcriptional start sites in the 5' UTR have been reported.
AA Sequence	YPNTFWMNPQYLIKLEEEDEDQEDGESGCTFLVGLIQKHRRRQRKMGEDMHTIGFG IYEVPEELTGQTNIHLSKNFFLTHRARERSDTFINLREVLNRFKLPPGEYILVPSTFEP NKDGDFCIRVFSEKKADYQVVDDEIEADLEENDASEDDIDDGFRRLFAQLAGEDAEI SAFELQTLRRVLAKRQDIKSDGFSIETCRIMVDMMLSDGSAKLGLKEFYILWTKIQKY QKIYREIDVDRSGTMNSYEMRKALEEAGFKLPCQLHQVIVARFADDQLIIDFDNFVRC LVRLETLFRISKQLDSENTGTIELDLISWLCFSVL
Purity	Greater than 90% as determined by SDS-PAGE.
Storage	Store at -20 to -80 centigrade.

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 45-1 Ramsey Road, Shirley, NY 11967, USA

Storage Buffer Tris-based buffer, 50% glycerol

Full Length Full L.

GENE INFORMATION

Gene Name CAPN2 calpain 2 [*Sus scrofa* (pig)]

Official Symbol CAPN2

Synonyms CAPN2; calpain 2; calpain-2 catalytic subunit; CANP 2; M-calpain; calcium-activated neutral proteinase 2; calpain II; calpain M-type; calpain-2 large subunit; millimolar-calpain; EC 3.4.22.53

Gene ID 397393

mRNA Refseq NM_001100188

Protein Refseq NP_001093658

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