

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 SAFELQTI LRRVLAKRQDIKSDGFSIETCRIMVDM L DSDGSAKLGLKEFYILWTKIQKY 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
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Full Length	Full L.
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GENE INFORMATION

Gene Name	CAPN2 calpain 2 [<i>Sus scrofa</i> (pig)]
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Official Symbol	CAPN2
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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
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Gene ID	397393
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mRNA Refseq	NM_001100188
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Protein Refseq	NP_001093658
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