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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

CAPN10 (Human) Recombinant Protein (P01)

Catalog Number: H00011132-P01

Regulation Status: For research use only (RUO)

Product Description: Human CAPN10 full-length ORF (NP_075571.1, 1 a.a. - 672 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

MRAGRGATPARELFRDAAFPADSSLFCDLSTPLAQF
REDITWRRPQEICATPRLFPDDPREGQVKQGLLGDC
WFLCACAAALQKSRHLLDQVIPPQQPSWADQEYRGSF
TCRIWQFGRWVEVTDDRLPCLAGRLCFSRCQREDV
FWLPLLEKVYAKVHGSYEH LWAGQVADALVDLTGGLA
ERWNLKGVAGSGGQQDRPGRWEHR TCRQLLHLK DQ
CLISCCVLS PRAGARELGEFHAFIVSDLRELQGQAGQC
ILLRIQNPWGRRCWQGLWREGGEGWSQVDA AVASE
LLSQLQEGEFWVEEEEFLREFDELTVGYPVTEAGHLQ
SLYTERLLCHTRALPGAWVKGQSAGGCRNNSGFPSN
PKFWLRVSEPVYIAVLQRSRLHAADWAGRARALVG
DSHTSWSPASIPGKHYQAVGLHLWKVEKRRVNLPRVL
SMPPVAGTACHAYDREVLHRCLESPGYLAVPSTFLK
DAPGEFLLRVFSTGRVLSAIRAVAKNTTPGAALPAGE
WGTVQLRGSWRVGGQTAGGSRNFASYPTNPCFPFSV
PEGPGPRCVRITLHQHCRPSDTEFHPIGFHIFQVPEGG
RSQDAPLLLQEP LLSVPHRYAQEVSR LCLLPAGTY
KVPSTYLPDTEGAFTVTIATRDRPSIHSQEMLGQFLQ
EVSVMVMKT

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 101.3

Interspecies Antigen Sequence: Mouse (81); Rat (81)

Applications: AP, Array, ELISA, WB-Re
(See our web site product page for detailed applications information)

Protocols: See our web site at
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

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.

Entrez GeneID: 11132

Gene Symbol: CAPN10

Gene Alias: -

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 catalytic subunit has four domains: domain I, the N-terminal regulatory domain that is processed upon calpain activation; domain II, the protease domain; domain III, a linker domain of unknown function; and domain IV, the calmodulin-like calcium-binding domain. This gene encodes a large subunit. It is an atypical calpain in that it lacks the calmodulin-like calcium-binding domain and instead has a divergent C-terminal domain. It is similar in organization to calpains 5 and 6. This gene is associated with type 2 or non-insulin-dependent diabetes mellitus (NIDDM) and located within the NIDDM1 region. Multiple alternative transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq]