

Recombinant Human CAPN5 Protein, His/GST-tagged

Cat. No. CAPN5-12H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CAPN5(Phe2~Asn344) fused with His/GST tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Phe2~Asn344
Description	Calpains are calcium-dependent cysteine proteases involved in signal transduction in a variety of cellular processes. A functional calpain protein consists of an invariant small subunit and 1 of a family of large subunits. CAPN5 is one of the large subunits. Unlike some of the calpains, CAPN5 and CAPN6 lack a calmodulin-like domain IV. Because of the significant similarity to Caenorhabditis elegans sex determination gene tra-3, CAPN5 is also called as HTRA3.
Form	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Molecular Mass	69.4kDa
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	> 90%

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

Applications	Positive Control; Immunogen; SDS-PAGE; WB. If bio-activity of the protein is needed, please check active protein.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	CAPN5 calpain 5 [Homo sapiens]
Official Symbol	CAPN5
Synonyms	CAPN5; calpain 5; calpain-5; HTRA3; nCL 3; new calpain 3; calpain htra-3; nCL-3; FLJ46245;
Gene ID	726
mRNA Refseq	NM_004055
Protein Refseq	NP_004046
MIM	602537
UniProt ID	O15484

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