

Product Datasheet

Product:	Calpain-1
Catalog #:	16-05-030112
Form:	Frozen
Available Packaging:	100 and 500 µg. Larger aliquots are available upon request.
Buffer:	Frozen in 20 mM imidazole, 5 mM β-mercaptoethanol, 1 mM EDTA, 1mM EGTA, 30% glycerol, pH 6.8
Purity:	≥ 95% by SDS-PAGE.
Molecular Weight:	110,000 Da
Subunits:	Catalytic- 80,000 Da Regulatory- 30,000 Da
Activity:	≥ 1,000 units/mg protein. One unit is defined as the amount of enzyme that will hydrolyze 1 pmol Suc-LLVY-AMC per minute at 25 °C using a fluorogenic calpain activity assay kit
Protein Determination:	Bradford Assay
Storage/Handling:	≤ -70 °C
Stability:	> 1 year
Source:	Human Erythrocytes
Testing:	Donor material is obtained from suppliers that perform a comprehensive infectious disease screening panel. Donor red blood cell units were tested individually by the supplier and found non-reactive for HIV-1/2, Hepatitis B (HBsAg and HBV DNA), Hepatitis C (HCV Ab and HCV RNA), syphilis, West Nile virus (WNV), and Chagas (T. cruzi). Blood group and Rh type were also confirmed. Testing documentation is maintained and available upon request.

Product Link: <https://www.athensresearch.com/products/all/calpain-1-human-erythrocyte>

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