

Human Calpain-1 Catalytic Subunit

Item Number rAP-2936

Synonyms Calpain-1 catalytic subunit, EC 3.4.22.52, Calpain-1 large subunit, Calcium-activated neutral proteinase 1, Calpain mu-type, muCANP, Micromolar-calpain, Cell proliferation-inducing gene 30 protein, CANP 1, CAP-N1, CANPL1, PIG30, CANP, muCL, CANP1.

Description CAPN1 consists of an 80-kDa large subunit and a 30 kDa small subunit. CAPN1 was purified by sequential chromatography through DEAE-Sepharose, A1.5m Bio-Gel, and Phenyl-Sepharose CL-4B columns.

Uniprot Accesion Number P07384

Amino Acid Sequence

Source Human Erythrocytes.

Physical Appearance and Stability Sterile Filtered colorless solution. CAPN1 although stable at 10°C for 1 week, should be stored below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please prevent freeze-thaw cycles.

Formulation and Purity 50mM imidazole-HCl, 100mM NaCl, 5mM EGTA, 1mM DTT and 10% sucrose. Greater than 90% as determined by SDS-PAGE.

Application

Solubility

Biological Activity

Shipping Format and Condition Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the end users! This product is sold for **Research Use Only**