

Calpain, Small Subunit 1 Human Recombinant

Item Number	rAP-2935
Synonyms	Calpain Small Subunit 1, CAPN4, Calcium-Activated Neutral Proteinase Small Subunit, Calcium-Dependent Protease Small Subunit 1, Calpain Regulatory Subunit, CANP Small Subunit, CDPS, CSS1, Calcium-Dependent Protease Small Subunit, Calcium-Dependent Proteas
Description	CAPNS1 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 208 amino acids (84-268) and having a molecular mass of 23.8 kDa. CAPNS1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
Uniprot Accesion Number	P04632
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSRTHYSNI EANESEEVRQ FRRRLFAQLAG DDMEVSATEL MNILNKVVTR HPDLKTDGFG IDTCRSMVAV MDSDTTGKLG FEEFKYLWNN IKRWQAIYKQ FDT-DRSGTIC SSELPGAFEA AGFHLNEHLY NMIIRRYSDE SGNMDFDNF1 SCLVRLDAMF RAFKSLDKDG TGQIQVNIQE WLQLTMYS.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered colorless solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Formulation and Purity	The CAPNS1 solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 20% glycerol and 1mM DTT. Greater than 95.0% 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**