Cathepsin S (human), (recombinant)

Highly active

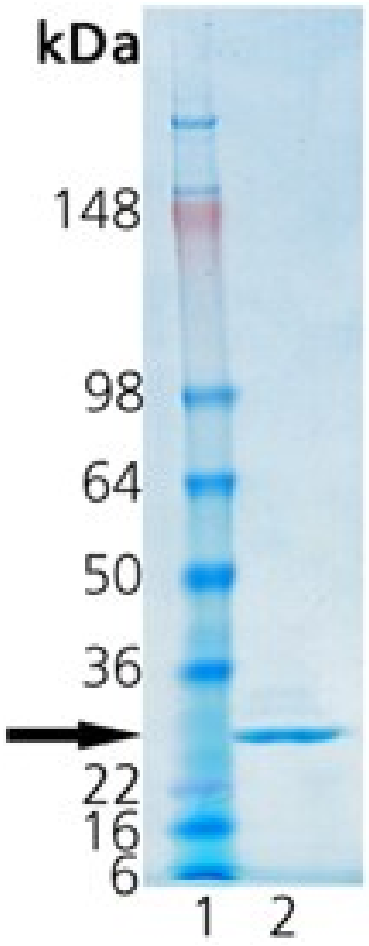
Cathepsin S, a member of the papain family of lysosomal cysteine proteases, functions in the immune system.

Citations: 7 View Online »

Ordering Information Order Online »

BML-SE453-0010	10µg

Manuals, SDS & CofA View Online »



SDS-PAGE Analysis: Lane 1: MW Marker, Lane 2: 0.5 µg of Human Cathepsin S Protein

Handling & Storage

Long Term Storage -80°C

Shipping Dry Ice

Regulatory Status RUO - Research Use Only

Product Details

Application Notes Useful to study enzyme kinetics, cleave target substrates, and screen for inhibitors.

Formulation Liquid. In 100 mM MES, pH 6.5, containing 1 mM EDTA, 50 mM L-cysteine, 10 mM DTT, 0.5% Triton® X-100, 30% glycerol.

MW 26 kDa

Purity ≥95% (SDS-PAGE)

Purity Detail Purified by multi-step chromatography.

Source Produced in insect cells. Recombinant active cathepsin S cloned from human cDNA as full length proenzyme, auto-activated by incubation in pH 4.5 acetate buffer, and purified. Produced in a baculovirus expression system.

Specific Activity ≥20 U/mg protein. One unit will hydrolyze one µmole Z-Val-Val-Arg-AMC substrate (Prod. No. BML-P199, 40 µM) per minute at 37°C.

UniProt ID P25774

Last modified: May 29, 2024

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