

Cathepsin-S Human Recombinant

Item Number	rAP-0882
Synonyms	Cathepsin S, MGC3886, CTSS, Cathepsin-S.
Description	CTSS Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 336 amino acids (17-331) and having a molecular mass of 38.1kDa. CTSS is fused to a 21 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
Uniprot Accession Number	P25774
Amino Acid Sequence	MGSSHHHHH SSGLVPRGSH MQLHKDPTLD HHWHLWKKTG GKQYKEKNEE AVRRLIWEKN LKFVMLHNLE HSMGMHSYDL GMNHLGDMTS EEVMSLMSSL RVPSQWQRNI TYKSNPNWIL PDSVDWREKG CVTEVKYQGS CGACWAFSAV GALEAQLKLK TGKLVLSAQ NLVDCSTEKY GNKGCNGGFM TTAFQYIIDN KGIDSDASYP YKAMDQKCQY DSKYRAATCS KYTELPYGRE DVLKEAV- ANK GPVSVGVDAR HPSFFLYRSG VYYEPSCTQN VNHGVLVVG YGDLNGKEYWL VKNSWGHNFG
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 CTSS solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M urea and 10% glycerol. Greater than 85.0% 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 ender users! This product is sold for **Research Use Only**