

**Ctsa, 24-474aa, Mouse, His tag, Baculovirus**

**Cat.NO.: TP01773**

3th Edition

**Synonyms:**lysosomal protective protein isoform b, Ctsa, Cathepsin A, AU019505, PPCA, Ppgb

**Description:**CTSA, also known as lysosomal protective protein isoform b, is a component of the lysosomal multienzyme complex along with beta-galactosidase and sialidase Neu1. It is a multicatalytic enzyme with deamidase and esterase in addition to carboxypeptidase activities. Recombinant mouse CTSA, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

**Form:**Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.

**Molecular Weight:**52.4kDa (459aa), 50-70kDa (SDS-PAGE under reducing conditions)

**Sequences:**

APDQDEIDCLPGLAKQPSFRQYSGYLRASDSKHFHYWVFSQNDPKNSPVVLWLNNGGPGCSSLDGLLTEHGPFLLI  
QPDGVTLEYNPYAWNLIANVLYIESPAGVGFYSDDKMYVTNDTEVAENNYEALKDFFRLFPEYKDNKLFLLTGESY  
AGIYIPTLAVLVMQDPSMNLQGLAVGNGLASYEQNDNSLVYFAYYHGLLGNRLWTSLQTHCCAQNKCIFYDNKDP  
ECVNNLLEVSRIVGKSGLNINLYAPCAGGVPGRHRYEDTLVVQDFGNIFTRLPLKRRFPEALMRSGDKVRLDPPC  
TNTTAPSNYLNPNPYVRKALHIPESLPRWDMCNFLVNLQYRRLYQSMNSQYLKLLSSQKYQILLYNGDVMACNFM  
GDEWFVDSLQKMEVQRRPWLVDYGESGEQVAGFVKECSHITFLTIKGAGHMVPTDKPRAAFTMFSRFLNKEPYV  
EHHHHHH

**Purity:**> 95% by HPLC

**Concentration:**0.5mg/ml (determined by Absorbance at 280nm)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.