

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:

APDQDEIDCLPGLAKQPSFRQYSGYLRASDSKHFHYWFVESQNDPKNSPVVLWLNGGPGCSSLDGLLTEHGPFLI
QPDGVTLEYNPYAWNLIANVLYIESPAGVGFSYSDDKMYVTNDTEVAENNYEALKDFFRLFPEYKDNKLFLTGESY
AGIYIPTLAVLVMQDPSMNLQGLAVGNGLASYEQNDNSLVYFAYYHGLLGNRLWTSLQTHCCAQNKCIFYDNKDP
ECVNNLLEVSRIVGKSGLNINLYAPCAGGVPGRHRYEDTLVVQDFGNIFTRLPLKRRFPEALMRSGDKVRLDPPC
TNTTAPSNYLNNPYVRKALHIPESLPRWDMCNFLVNLQYRRLYQSMNSQYLKLLSSQKYQILLYNGDVDMACNFM
GDEWFDLSLNQKMEVQRRPWLVDYGESGEQVAGFVKECSHITFLTIKGAGHMOVPTDKPRAAFTMFSRFLNKEPYV
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.