

Product datasheet for TP313409M

OriGene Technologies, Inc.

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CTSA (NM_000308) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human cathepsin A (CTSA), transcript variant 1, 100 μg

Species: Human Expression Host: HEK293T

Expression cDNA >RC213409 representing NM_000308 Clone or AA Sequence: Red=Cloning site Green=Tags(s)

MTSSPRAPPGEQGRGGAEMIRAAPPPLFLLLLLLLLVSWASRGEAAPDQDEIQRLPGLAKQPSFRQYSGY LKGSGSKHLHYWFVESQKDPENSPVVLWLNGGPGCSSLDGLLTEHGPFLVQPDGVTLEYNPYSWNLIANV LYLESPAGVGFSYSDDKFYATNDTEVAQSNFEALQDFFRLFPEYKNNKLFLTGESYAGIYIPTLAVLVMQ DPSMNLQGLAVGNGLSSYEQNDNSLVYFAYYHGLLGNRLWSSLQTHCCSQNKCNFYDNKDLECVTNLQEV ARIVGNSGLNIYNLYAPCAGGVPSHFRYEKDTVVVQDLGNIFTRLPLKRMWHQALLRSGDKVRMDPPCTN TTAASTYLNNPYVRKALNIPEQLPQWDMCNFLVNLQYRRLYRSMNSQYLKLLSSQKYQILLYNGDVDMAC NFMGDEWFVDSLNQKMEVQRRPWLVKYGDSGEQIAGFVKEFSHIAFLTIKGAGHMVPTDKPLAAFTMFSR

FLNKQPY

TRTRPLEQKLISEEDLAANDILDYKDDDDK**V**

Tag: C-Myc/DDK
Predicted MW: 51.4 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional

chromatography steps.

Note: For testing in cell culture applications, please filter before use. Note that you may experience

some loss of protein during the filtration process.

Storage: Store at -80°C.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling

conditions. Avoid repeated freeze-thaw cycles.





RefSeq: NP 000299

Locus ID: 5476

UniProt ID: <u>P10619</u>, <u>X6R8A1</u>

RefSeq Size: 2254

Cytogenetics: 20q13.12

RefSeq ORF: 1491

Synonyms: GLB2; GSL; NGBE; PPCA; PPGB

Summary: This gene encodes a member of the peptidase S10 family of serine carboxypeptidases.

Alternative splicing results in multiple transcript variants, at least one of which encodes a preproprotein that is proteolytically processed to generate two chains that comprise the

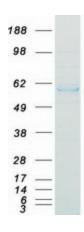
heterodimeric active enzyme. This enzyme possesses deamidase, esterase and

carboxypeptidase activities and acts as a scaffold in the lysosomal multienzyme complex. Mutations in this gene are associated with galactosialidosis. [provided by RefSeq, Nov 2015]

Protein Families: Druggable Genome, Protease

Protein Pathways: Renin-angiotensin system

Product images:



Coomassie blue staining of purified CTSA protein (Cat# [TP313409]). The protein was produced from HEK293T cells transfected with CTSA cDNA clone (Cat# [RC213409]) using MegaTran 2.0 (Cat# [TT210002]).