

Product datasheet for PH313409

OriGene Technologies, Inc.

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CTSA (NM 000308) Human Mass Spec Standard

Product data:

Product Type: Mass Spec Standards

Description: CTSA MS Standard C13 and N15-labeled recombinant protein (NP_000299)

Species: Human **HEK293 Expression Host: Expression cDNA Clone**

or AA Sequence:

RC213409

Predicted MW: 56.12 kDa

>RC213409 representing NM_000308 **Protein Sequence:**

Red=Cloning site Green=Tags(s)

MTSSPRAPPGEQGRGGAEMIRAAPPPLFLLLLLLLLVSWASRGEAAPDQDEIQRLPGLAKQPSFRQYSGY LKGSGSKHLHYWFVESQKDPENSPVVLWLNGGPGCSSLDGLLTEHGPFLVQPDGVTLEYNPYSWNLIANV LYLESPAGVGFSYSDDKFYATNDTEVAQSNFEALQDFFRLFPEYKNNKLFLTGESYAGIYIPTLAVLVMQ DPSMNLQGLAVGNGLSSYEQNDNSLVYFAYYHGLLGNRLWSSLQTHCCSQNKCNFYDNKDLECVTNLQEV ARIVGNSGLNIYNLYAPCAGGVPSHFRYEKDTVVVQDLGNIFTRLPLKRMWHQALLRSGDKVRMDPPCTN TTAASTYLNNPYVRKALNIPEQLPQWDMCNFLVNLQYRRLYRSMNSQYLKLLSSQKYQILLYNGDVDMAC NFMGDEWFVDSLNQKMEVQRRPWLVKYGDSGEQIAGFVKEFSHIAFLTIKGAGHMVPTDKPLAAFTMFSR

FLNKQPY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

C-Myc/DDK Tag:

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

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

Labeling Method: Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine

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

Store at -80°C. Avoid repeated freeze-thaw cycles. Storage:

Stable for 3 months from receipt of products under proper storage and handling conditions. Stability:

RefSeq: NP 000299

RefSeq Size: 2254 RefSeq ORF: 1491



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Synonyms: GLB2; GSL; NGBE; PPCA; PPGB

Locus ID: 5476

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

Cytogenetics: 20q13.12

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

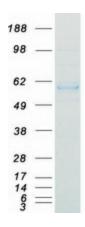
Alternative splicing results in multiple transcript variants, at least one of which encodes a preproprotein that is proteolytically processed to generate two chains that comprise the

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]).