

Product datasheet for PH313409

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
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC213409
Predicted MW:	56.12 kDa
Protein Sequence:	>RC213409 representing NM_000308 Red=Cloning site Green=Tags(s)
	<p>MTSSPRAPPGEQGRGAEMIRAAPPPLFLLLLLLLLVSWASRGEAAPDQDEIQRPLGLAKQPSFRQYSGY LKSGSKHLHYWFVESQKDPENSPVVLWLNCGGPGCSSLDGLLTEHGPFLVQPDGVTLEYNPYSWNLIANV LYLESAGVGFYSDDKFYATNDTEVAQSNFEALQDFRFLFPEYKNNKLF LTGESYAGIYIPTLAVLVMQ DPSMNLQGLAVGNGLSSYEQNDNSLVYFAYYHGLLGNRLWSSLQTHCCSQNKCNFYDNKDLECVTNLQEV ARIVGNSGLNIYNLYAPCAGGVPSHFRYEKDTVVVQDLGNI FTRLPLKRMWHQALLRSGDKVRMDPPCTN TTAASTYLNPPYVRKALNIPEQLPQWDMCNFLVNLQYRRLYRSMNSOYLKLLSSQKYQILLYNGDVMAC NFMGDEWFVDSL NQKMEVQRRPWLVKYGDSGEQIAGFVKEFSHIAFLTIKGAGHMVPTDKPLAAFTMFSR FLNKQPY</p> <p>TRTRPLEQKLI SEEDLAANDILDYKDDDDKV</p>
Tag:	C-Myc/DDK
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- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_000299
RefSeq Size:	2254
RefSeq ORF:	1491



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Synonyms: GLB2; GSL; NGBE; PPCA; PPGB

Locus ID: 5476

UniProt ID: [P10619](#), [X6R8A1](#)

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]).