

Product datasheet for **SC126523**

CTSA (NM_000308) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CTSA (NM_000308) Human Untagged Clone
Tag:	Tag Free
Symbol:	CTSA
Synonyms:	GLB2; GSL; NGBE; PPCA; PPGB
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_000308.3
RefSeq Size:	3062 bp
RefSeq ORF:	1497 bp
Locus ID:	5476
UniProt ID:	P10619
Cytogenetics:	20q13.12
Domains:	serine_carbpept
Protein Families:	Druggable Genome, Protease
Protein Pathways:	Renin-angiotensin system
MW:	56.2 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) encodes the longest isoform (a). This isoform (a) may undergo proteolytic processing similar to isoform (b).</p>