

## Product datasheet for **TP721221M**

### CTSA (NM\_000308) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human cathepsin A (CTSA), transcript variant 1
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	Ala29-Tyr480
Tag:	C-His
Predicted MW:	52.2 kDa
Purity:	>95% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	Provided lyophilized from a 0.2 $\mu$ m filtered solution of 20 mM Tris-HCl, 150 mM NaCl
Endotoxin:	Endotoxin level is < 0.1 ng/ $\mu$ g of protein (< 1 EU/ $\mu$ g)
Storage:	Store at -80°C.
Stability:	Stable for at least 3 months from date of receipt under proper storage and handling conditions.
RefSeq:	<a href="#">NP_000299</a>
Locus ID:	5476
UniProt ID:	<a href="#">P10619</a> , <a href="#">X6R8A1</a>
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]



[View online »](#)

Protein Families: Druggable Genome, Protease

Protein Pathways: Renin-angiotensin system