

Product datasheet for **MG207386**

Chga (NM_007693) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Chga (NM_007693) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Chga
Synonyms:	cgA; Ch; ChrA
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
Restriction Sites:	SgfI-MluI
Cloning Scheme:	

Cloning sites used for ORF Shuttling:



CTATAGGGCGGCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCCGCGCGCCAGATCT

EcoR I BamH I Kpn I RBS Kozac Consensus Sgf I Asc I

CAAGCTTAAGTAACTAGCTAGCGGACCG ACG CGT ACG CGG CCG CTC GAG ATG GAG AGC GAC --- --- ---

Hind III Nhe I Rsr II Mlu I Not I Xho I GFP Tag

T R T R P L E M E S D - - -

--- --- GAA GAA AGA GTT TAA ACGGCCGCGCGGAGCT

- - E E R V stop

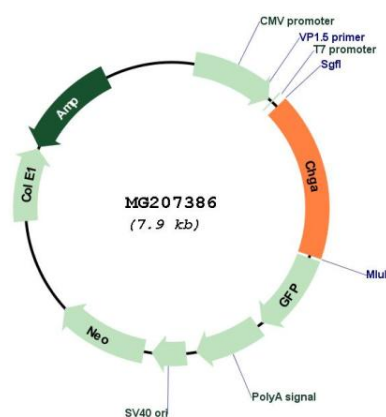
ACCN:	NM_007693
ORF Size:	1389 bp



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OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_007693.1 , NP_031719.1
RefSeq Size:	1892 bp
RefSeq ORF:	1392 bp
Locus ID:	12652
UniProt ID:	P26339
Cytogenetics:	12 51.66 cM
Gene Summary:	This gene encodes a member of the granin family of acidic secretory glycoproteins that are expressed in endocrine cells and neurons. The encoded preproprotein undergoes proteolytic processing to generate multiple functions peptides including pancreastatin, catestatin and serpinin. The encoded protein plays important roles in the neuroendocrine system including regulated secretion of peptide hormones and neurotransmitters. Mice lacking the encoded protein exhibit elevated blood pressure which can be rescued by transgenic expression of the human ortholog. [provided by RefSeq, Nov 2015]

Product images:



Circular map for MG207386