

## GARS-glycyl-tRNA synthetase Gene

Reference: PTXBC000065

Product type:	DNA	Storage Condition:	-20°C
Size/Quantity:	2 ug	Delivery Condition:	+4°C, Blue Ice
Synonyms	CMT2D; DSMAV; GlyRS; HMN5; SMAD1; glycine--tRNA ligase; AP-4-A synthetase; Charcot-Marie-Tooth neuropathy 2D; Charcot-Marie-Tooth neuropathy, neuronal type, D; diadenosine tetraphosphate synthetase; glycyl-tRNA synthetase		

For research use only.

<b>GENE DESCRIPTION</b>	glycyl-tRNA synthetase
<b>GENE ID</b>	2617
<b>ORIGIN SPECIES</b>	Human
<b>ACCESSIONS</b>	BC000065
<b>VECTOR</b>	pDONR233
<b>NCBI SYMBOL</b>	GARS
<b>LENGTH</b>	2256 bp
<b>SEQUENCE PRIMERS</b>	Forward primer M13R (5'→3'): GTAAAACGACGGCCAGT Reverse primer T7P (5'→3'): TAATACGACTCACTATAGG

### ORF (Only for reference, product provided without STOP codon )

atgccctcctccgctccagtgctgcttagaggtgctcgcgcccgtctgctgctgctgctgcccggccttagcccaccctgctcctgctcggcggctccctcagcgcggcctcctgcccggatccttcccggcggcctcccggagcagcatggacggcgggggctgaggaggtgctggcactctgagggctagcagtgccgacgaggagatcttggcgaataactcaaaagataaagcaccccaagtagacgtagacaaagcagtgctgagctcaaaagcccgaagggttctggaagcaaaaggagctggcgttacagcccaagatgatattgtagaccgagcaaaaatggaagatacctgaaagggaggttttctatgatcaagctttgctattatggaaggtgtagtgctgctgatgacttggccagttggctgtgctttgaaacaatattcagacgctggagcagcactttatccaaggaacagatcctggagatcgattgacatgctcaccctgagccagtttaaaagacctctggccatgtagacaaattgctgacttcatggtgaaagacgtaaaaaatggagaatgtttcgtgctgacctatataaaagctcatttacagaaatgafgctgataaagagtgctgcaaaaagaatcagaatggaaagtgcttggcccagcttgataactatggacagcaagaactgcccagcttttggactataatgtaaaatcctccattctgaaatgatctatccccctcagtgcttttaacttaattgtcaagactttcaggcctggagaaacatgctgggacttgagaccagaactgcacaggggatttctgaaattcaaacgactttggagtcaaccaaggaagtgctttgctgctgcccagattgaaatcttttagaaatgagatcctccctgatctggactgatcagatcagagaattcaaatggcagaatggacactttgtagatcccagtgagaaaagaccaccaagtccaagaatggcagaccttacccttattgtattcagcaaaagcccaggtcagcggacagctccgctggaaaatgcccctgggagatgctgttgaacaggggtgtaataaacacagattatagctatttcattggccgatctacctacacgaaggttggaaatctccagataaacctcctccggcagacatggagaatgagatggccattatgctgtgactgtgggatcgagaatcaaaacatctacggttggattgagattgttgatgtgctgatcgttctgtagcttctgcatgcacgagccaccaaaagtcaccctgtagctgagaaacctctgaaaagaacccaagctcaatgttgcagttgaaaccagtaaggagcaattggttaagcatataaagagatgcaaaactggtaggagatctgcccatttggatgagtgctacattacagaaatggagatgctgctgaatgagaaaggggaattcaaatgaaactgaagggaacattcagttacaaaagacatgatcaatgtagagatccagaaacactatatgtggaagaaggttccgaatgtaattgaacctctcctggcctggtaggatcatgtataggtattgacatacattcattgacgagaaggagatgaacagagacattcctcagttccctgctgtagtgcctcattcaaatgttccgctcctcccactgacccaaaaccaggagttcatgccatttgcagaatgagaaagcctgaccaggcatggagatctcacaagtagcagattcctctgggtcaatcggaaagcctgatccagagctgatgagattggcgtggctttgtgctaccattgactttgacacagtaacaagacccccacactgcaactctgagggaccgtgactcaatggcagataagagcagagatctgagctgcccagcatagtccaagacacagcaatggcaacatcacatggcctgatgtggagggcaggtatcctctgttgaaggcgaagagactgtaaaaaagagacaatggagaaatgaggacaatttgacaactttgaccactttgaccacttgcgctaa