

GZMA-granzyme A (granzyme 1, cytotoxic T-lymphocyte-associated serine esterase 3) Gene

Reference: PTXBC015739

Product type:	DNA	Storage Condition:	-20°C
Size/Quantity:	2 ug	Delivery Condition:	+4°C, Blue Ice
Synonyms	CTLA3; HFSP; granzyme A; CTL tryptase; Cytotoxic T-lymphocyte-associated serine esterase-3; Granzyme A (Cytotoxic T-lymphocyte-associated serine esterase-3; Hanukah factor serine protease); Hanukah factor serine protease); cytotoxic T-lymphocyte proteinase		

For research use only.

GENE DESCRIPTION	granzyme A (granzyme 1, cytotoxic T-lymphocyte-associated serine esterase 3)
GENE ID	3001
ORIGIN SPECIES	Human
ACCESSIONS	BC015739
VECTOR	pDONR223
NCBI SYMBOL	GZMA
LENGTH	ProteoGenix bp
SEQUENCE PRIMERS	Forward primer M13R (5'→3'): GTAAAACGACGGCCAGT Reverse primer T7P (5'→3'): TAATACGACTCACTATAGG

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

atgaggaaactcctatagattctggtcctctctcagttgtcgttctctcctgtaattcctgaagatgtctgtgaaaaattattggaggaaatgaagtaactcctcattcaagaccctacatggtcctacttagtcttgacagaaaaaccatctgtgctgggcttggatgcaaaagactgggtgttgactgcagctcactgttaactgaacaaaaggtccaggtcattcttgggctcactcaataaccagggaagagccaacaaacagataatgcttgaagaaagagtttccctatccatgctatgacccagccacgcgaaggtgacctaaactttacagctgacggaaaaagcaaaaattaaacaaatgtgactatccttcactacataaaaggggatgatgtgaaaccaggaacatgtgccaagtgtcaggggtgggcaggagctcacaatagtgcatcttggtccgatactctgagagaagtcaatcaccatcatagacagaaaaagtctgcaatgatcgaatcactataatttaacctgtgattggaatgaatatgtgtgtggaagcctccgaggtggaagagactcgtgcaatggagatctggaagcccttgtgtgaggggtgtttccgaggggtcacttccttggccttgaaaaataaafgcggagaccctcgtgggcctgtgtgtctatattctctcaaaagaaacacctcaactggataattatgactatcaaggagcagtttaa