

Product datasheet for **SC325172**

VGLUT3 (SLC17A8) (NM_001145288) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: VGLUT3 (SLC17A8) (NM_001145288) Human Untagged Clone
Tag: Tag Free
Symbol: SLC17A8
Synonyms: DFNA25; VGLUT3
Vector: pCMV6 series
Fully Sequenced ORF: >NCBI ORF sequence for NM_001145288, the custom clone sequence may differ by one or more nucleotides

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ATGCCTTTTAAAGCATTGATACCTTCAAAGAAAAAATTCTGAAACCTGGGAAGGAAGGA
GTGAAGAACGCCGTGGGAGATTCTTTGGGAATTTTACAAAGAAAAATCGATGGGACAAC
GAGGAAGAAGATAACATTGAGCTGAATGAAGAAGGAAGGCCGGTGCAGACGTCCAGGCCA
AGCCCCCACTCTGCGACTGCCACTGCTGCGGCCTCCCCAAGCGTTACATCATTGCTATC
ATGAGTGGGCTGGGATTCTGCATTTCTTTGGGATCCGGTCAATCTTGGAGTTGCCATT
GTGGAAATGGTCAACAATAGCACCGTATATGTTGATGGAAAACCGGAAATTCAGACAGCA
CAGTTTAACTGGGATCCAGAAACAGTGGGCCTTATCCATGGATCTTTTTCTGGGCTAT
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GGAGCTGCCATCTTCTAACATCGACTCTGAACATGTTTATTCCCTCTGCAGCCAGAGTG
CATTACGGATGCGTCATGTGTGTCAGAATTCTGCAAGGTTTGTGGAGGGTGTGACCTAC
CCAGCCTGCCATGGGATGTGGAGTAAGTGGGCACCACCTTTGGAGAGAAGCCGACTGGCC
ACAACCTCTTTTGTGGTTCCTATGCAGGGCAGTGGTTGCCATGCCCTGGCTGGGGTG
TTGGTGCAGTACATTGGATGGTCTCTGTCTTTTATTTATGGCATGTTTGGGATTATT
TGGTACATGTTTTGGCTGTTGCAGGCCTATGAGTGCCAGCAGCTCATCCAACAATATCC
AATGAGGAGAAGACCTATATAGAGACAAGCATAGGAGAGGGGCCAACGTGGTTAGTCTA
AGTGTGGTCTCTTGTGAGCAGTCCCACACATGGTTATGACAATCGTTGTACCTATTGGA
GGACAATTGGCTGATTATTTAAGAAGCAGACAAAATTTAACCACAACCTGCTGTCAGAAAA
ATCATGAACTGTGGAGGTTTTGGCATGGAGGCAACCTTACTCCTGGTGGTTGGCTTTTCG
CATACCAAGGGTGGCTATCTCCTTTCTGGTACTTGCTGTAGGATTTAGTGGCTTCGCT
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GGGATCTCAAACGGAGTGGGAACCCTCTCTGGAATGGTCTGTCCCCTCATTGTCCGTGCA
ATGACCAGGCACAAGACCCGTGAAGAATGCCAGAATGTGTTCCATAGCTGCCCTGGTG
CATTACAGTGGTGTGATCTTCTATGGGCTTTTGTCTTCTGGGAGAAACAGGAGTGGGCT
GACCCAGAGAATCTCTGAGGAGAAATGTGGAATCATTGACCAGGACGAATTAGCTGAG
GAGATAGAACTCAACATGAGAGTTTTGCGAGTCCAAAAAAGAAGATGTCTTATGGAGCC
ACCTCCGAGAATTGTGAAGTCCAGAAGAAGGAATGGAAAGGACAGAGAGGAGCGACCCCT
GATGAGGAAGAGCTGACATCCTACCAGAATGAAGAGAGAAACTTCTCAACTATATCC

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Restriction Sites: Please inquire



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ACCN:	NM_001145288
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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.
RefSeq:	<u>NM_001145288.1</u> , <u>NP_001138760.1</u>
RefSeq Size:	3833 bp
RefSeq ORF:	1620 bp
Locus ID:	246213
UniProt ID:	<u>Q8NDX2</u>
Cytogenetics:	12q23.1
Protein Families:	Transmembrane
Gene Summary:	<p>This gene encodes a vesicular glutamate transporter. The encoded protein transports the neurotransmitter glutamate into synaptic vesicles before it is released into the synaptic cleft. Mutations in this gene are the cause of autosomal-dominant nonsyndromic type 25 deafness. Alternate splicing results in multiple transcript variants.[provided by RefSeq, May 2010]</p> <p>Transcript Variant: This variant (2) lacks an exon in the coding region compared to variant 1. The encoded isoform (2) is shorter but has the same N- and C-termini compared to isoform 1.</p>