

Product datasheet for SC319614

ENO3 (NM_053013) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ENO3 (NM_053013) Human Untagged Clone
Tag:	Tag Free
Symbol:	ENO3
Synonyms:	GSD13; MSE
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_053013.1
 CTGCCACCTAGACTCGGAGCTCCATCCAAACCTCCAGCGAAGACATCCCAGCCATGGCCA
 TGCAGAAAATCTTTGCCGGGAAATCTTGACTCCAGGGGCAACCCACGGTGGAGTGG
 ACCTGCACACGGCCAAGGGCCGATTCCGAGCAGCTGTGCCAGTGGGGCTTCCACGGGTA
 TCTATGAGGCTCTGGAATAAGAGACGGAGACAAAGGCCGCTACCTGGGAAAGGAGTCC
 TGAAGGCTGTGGAGAACAACAAGTACTCTGGGCCCTGCTGCTGCAAAAAGAACTAA
 GCGTTGCGGATCAAGAAAAGTTGACAAATTTATGATTGAGCTAGATGGGACCGAGAATA
 AGTCCAAGTTTGGGGCAATGCCATCCTGGGCGTGTCTTGGCCGTGTGAAGCGGGAG
 CAGCTGAGAAGGGGGTCCCCTGTACCGCCACATCGCAGATCTCGCTGGGAACCTGACC
 TCATACTCCCAGTGCCAGCCTTCAATGTGATCAACGGGGGCTCCCATGCTGGAAACAAGC
 TGGCCATGCAGGAGTTCATGATTCTGCCTGTGGGAGCCAGCTCCTCAAGGAAGCCATGC
 GCATTGGCCTGAGGTCTACCACCACCTCAAGGGGTCATCAAGGCCAAGTATGGGAAGG
 ATGCCACCAATGTGGGTGATGAAGGTGGCTTCGCACCCAACATCCTGGAGAACAATGAGG
 CCCTGGAGCTGCTGAAGACGGCCATCCAGGCGGCTGGTTACCCAGACAAGGTGGTATCG
 GCATGGATGTGGCAGCATCTGAGTTCTATCGCAATGGGAAGTACGATCTTGACTTCAAGT
 CGCCTGATGATCCCGACGGCACATCACTGGGGAGAAGCTCGGAGAGCTGTATAAGAGCT
 TTATCAAGAACTATCCTGTGGTCTCCATCGAAGACCCCTTTGACCAGGATGACTGGGCCA
 CTTGGACCTCCTCCTCTCGGGGTGAACATCCAGATTGTGGGGATGACTTGACAGTCA
 CCAACCCCAAGAGGATTGCCAGGCCGTTGAGAAGAAGGCTGCAACTGTCTGCTGTA
 AGGTCAACCAGATCGGCTCGGTGACCGAATCGATCCAGGCGTGCAACTGGCTCAGTCTA
 ATGGCTGGGGGTGATGGTGAGCCACCGCTCTGGGGAGACTGAGGACACATTCATTGCTG
 ACCTTGTGGTGGGCTCTGCACAGGACAGATCAAGACTGGCGCCCCCTGCCGCTCGGAGC
 GTCTGGCCAAATACAACCAACTCATGAGGATCGAGGAGGCTCTTGGGGACAAGGCAATCT
 TTGCTGGACGCAAGTCCGTAACCCGAAGGCCAAGTGAGAAGCTGGAGGCTCCAGGACTC
 CACTGGACAGACCAGGCTTCCAGACCTGCTTCTGAAATAAACACTGGTGCCAACCAA
 AAAAAAAAAAAAAAAAAA



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Restriction Sites:	Please inquire
ACCN:	NM_053013
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:	NM_053013.1 , NP_443739.1
RefSeq Size:	1452 bp
RefSeq ORF:	1305 bp
Locus ID:	2027
UniProt ID:	P13929
Cytogenetics:	17p13.2
Domains:	enolase
Protein Pathways:	Glycolysis / Gluconeogenesis, Metabolic pathways, RNA degradation
Gene Summary:	<p>This gene encodes one of the three enolase isoenzymes found in mammals. This isoenzyme is found in skeletal muscle cells in the adult where it may play a role in muscle development and regeneration. A switch from alpha enolase to beta enolase occurs in muscle tissue during development in rodents. Mutations in this gene have been associated with glycogen storage disease. Alternatively spliced transcript variants encoding different isoforms have been described. [provided by RefSeq, Jul 2010]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1 and 2 encode the same protein (isoform 1).</p>