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Produktinformation

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- Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!

Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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ENO3 Validated Chimera RNAi

Catalog # : H00002027-R01V　　**規格 :** [10 nmol] [20 nmol]

List All

Specification

Product Description:	Homo sapiens enolase 3 (beta, muscle) (ENO3), transcript variant 1, mRNA.
Reactivity:	Human
Supplied Product:	DEPC water
Target Refseq:	NM_001976
Storage Instruction:	Store at -20°C, do not exceed 4 - 5 freeze-thaw cycles to ensure product integrity.
Note:	Position of the Chimera RNAi.

Publication Reference

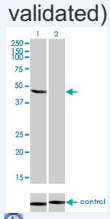
1. dsCheck: highly sensitive off-target search software for double-stranded RNA-mediated RNA interference.
   Naito Y, Yamada T, Matsumiya T, Ui-Tei K, Saigo K, Morishita S.Nucleic Acids Res. 2005 Jul 1;33(Web Server issue):W589-91.
2. Functional dissection of siRNA sequence by systematic DNA substitution: modified siRNA with a DNA seed arm is a powerful tool for mammalian gene silencing with significantly reduced off-target effect.
   Ui-Tei K, Naito Y, Zenno S, Nishi K, Yamato K, Takahashi F, Juni A, Saigo K.Nucleic Acids Res. 2008 Apr;36(7):2136-51. Epub 2008 Feb 11.
3. Guidelines for the selection of highly effective siRNA sequences for mammalian and chick RNA interference.
   Ui-Tei K, Naito Y, Takahashi F, Haraguchi T, Ohki-Hamazaki H, Juni A, Ueda R, Saigo K.Nucleic Acids Res. 2004 Feb 9;32(3):936-48. Print 2004.
4. siDirect: highly effective, target-specific siRNA design software for mammalian RNA interference.
   Naito Y, Yamada T, Ui-Tei K, Morishita S, Saigo K.Nucleic Acids Res. 2004 Jul 1;32(Web Server issue):W124-9.

Applications

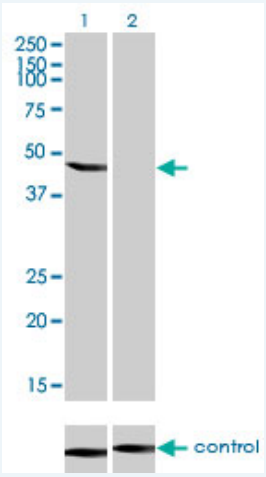
RNAi Knockdown (Antibody validated)

Application Image

RNAi Knockdown (Antibody validated)



enlarge



Western blot analysis of ENO3 over-expressed 293 cell line, cotransfected with ENO3 Validated Chimera RNAi (Cat # H00002027-R01V) (Lane 2) or non-transfected control (Lane 1). Blot probed with ENO3 monoclonal antibody (M01), clone 5D1 (Cat # H00002027-M01). GAPDH (36.1 kDa) used as specificity and loading control.

Protocol Download

Gene Information

Entrez GeneID:	2027
Gene Name:	ENO3
Gene Alias:	MSE
Gene Description:	enolase 3 (beta, muscle)
Omim ID:	131370
Gene Ontology:	Hyperlink
Gene Summary:	This gene encodes one of the three enolase isoenzymes found in mammals. This isoenzyme, a homodimer, is found in skeletal muscle cells in the adult. A switch from alpha enolase to beta enolase occurs in muscle tissue during development in rodents. Mutations in this gene can be associated with metabolic myopathies that may result from decreased stability of the enzyme. Two transcripts have been identified for this gene that differ only in their 5' UTR. [provided by RefSeq
Other Designations:	2-phospho-D-glycerate hydrolyase,ENO3, muscle enolase 3 beta,OTTHUMP00000125242,beta enolase,enolase 3,enolase-3, beta, muscle,muscle specific enolase,skeletal muscle enolase

Gene Pathway

Biosynthesis of alkaloids derived from histidine and purine
Biosynthesis of alkaloids derived from ornithine, lysine and nicotinic acid
Biosynthesis of alkaloids derived from shikimate pathway
Biosynthesis of alkaloids derived from terpenoid and polyketide
Biosynthesis of phenylpropanoids Biosynthesis of plant hormones
Biosynthesis of terpenoids and steroids Glycolysis / Gluconeogenesis Metabolic pathways
RNA degradation

Related Disease

Muscular Dystrophies, Limb-Girdle