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Produktinformation

- Forschungsprodukte & Biochemikalien
- Zellkultur & Verbrauchsmaterial
- Diagnostik & molekulare Diagnostik
- Laborgeräte & Service

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See the following pages for more information!

Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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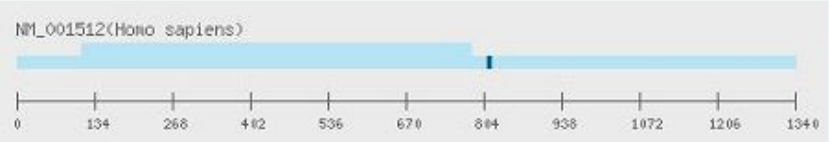
GSTA4 Pre-design Chimera RNAi

Catalog # : H00002941-R01 **規格 :** [10 nmol] [20 nmol]

List All

Specification

Product Description:	Homo sapiens glutathione S-transferase A4 (GSTA4), mRNA.
Reactivity:	Human
Supplied Product:	DEPC water
Target Refseq:	NM_001512
Storage Instruction:	Store at -20°C, do not exceed 4 - 5 freeze-thaw cycles to ensure product integrity.
Note:	Position of the Chimera RNAi.



Application Image

RNAi Knockdown

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

Gene Information

Entrez GeneID:	2941
Gene Name:	GSTA4
Gene Alias:	DKFZp686D21185,GSTA4-4,GTA4

Gene Description:	glutathione S-transferase alpha 4
Omim ID:	605450
Gene Ontology:	Hyperlink
Gene Summary:	Cytosolic and membrane-bound forms of glutathione S-transferase are encoded by two distinct supergene families. These enzymes are involved in cellular defense against toxic, carcinogenic, and pharmacologically active electrophilic compounds. At present, eight distinct classes of the soluble cytoplasmic mammalian glutathione S-transferases have been identified: alpha, kappa, mu, omega, pi, sigma, theta and zeta. This gene encodes a glutathione S-tranferase belonging to the alpha class. The alpha class genes, which are located in a cluster on chromosome 6, are highly related and encode enzymes with glutathione peroxidase activity that function in the detoxification of lipid peroxidation products. Reactive electrophiles produced by oxidative metabolism have been linked to a number of degenerative diseases including Parkinson's disease, Alzheimer's disease, cataract formation, and atherosclerosis. [provided by RefSeq
Other Designations:	GST class-alpha,OTTHUMP00000016624,OTTHUMP00000016625,S-(hydroxyalkyl)glutathione lyase A4,glutathione S-alkyltransferase A4,glutathione S-aralkyltransferase A4,glutathione S-aryltransferase A4,glutathione S-transferase A4,glutathione transferase A4-4

Gene Pathway

Drug metabolism - cytochrome P450 Glutathione metabolism
Metabolism of xenobiotics by cytochrome P450

Related Disease

Adenocarcinoma Alzheimer Disease Alzheimer disease Carcinoma, Basal Cell
Carcinoma, Non-Small-Cell Lung Carcinoma, Squamous Cell Celiac Disease Cleft Lip
Cleft Palate Cognition Colorectal Neoplasms Coronary Artery Disease
Diabetes Complications Genetic Predisposition to Disease Genomic Instability
Kidney Failure, Chronic Lung carcinoma, small cell Lung Neoplasms Mesothelioma

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