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- 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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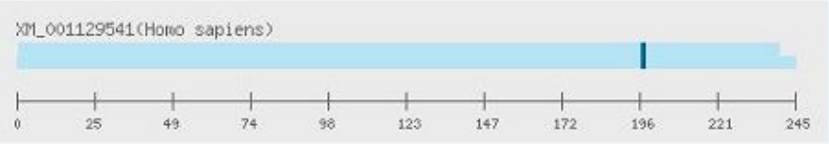
CTLA4 Pre-design Chimera RNAi

Catalog # : H00001493-R03 **規格 :** [10 nmol] [20 nmol]

List All

Specification

Product Description:	PREDICTED: Homo sapiens cytotoxic T-lymphocyte-associated protein 4, transcript variant 1 (CTLA4), mRNA
Reactivity:	Human
Supplied Product:	DEPC water
Target Refseq:	XM_001129541
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

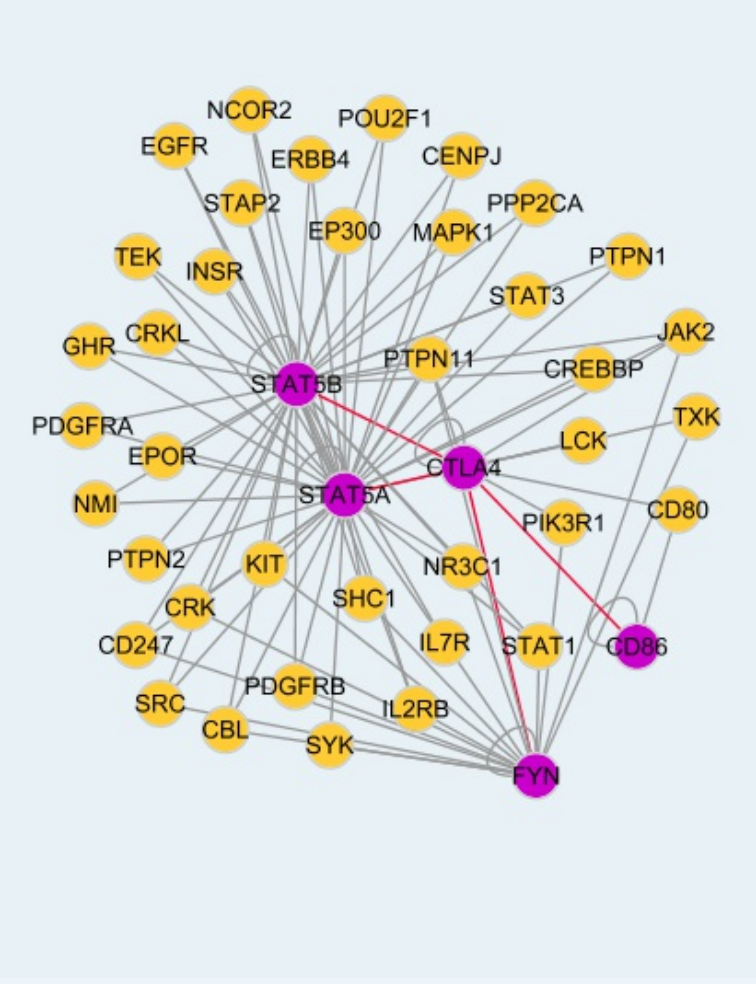
RNAi Knockdown

Gene Information

Entrez GeneID:	1493
Gene Name:	CTLA4
Gene Alias:	CD152,CELIAC3,CTLA-4,GSE,IDDM12

Gene Description:	cytotoxic T-lymphocyte-associated protein 4
Omim ID:	123890, 140300, 275000, 601388, 609755
Gene Ontology:	Hyperlink
Gene Summary:	This gene is a member of the immunoglobulin superfamily and encodes a protein which transmits an inhibitory signal to T cells. The protein contains a V domain, a transmembrane domain, and a cytoplasmic tail. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. The membrane-bound isoform functions as a homodimer interconnected by a disulfide bond, while the soluble isoform functions as a monomer. Mutations in this gene have been associated with insulin-dependent diabetes mellitus, Graves disease, Hashimoto thyroiditis, celiac disease, systemic lupus erythematosus, thyroid-associated orbitopathy, and other autoimmune diseases. [provided by RefSeq
Other Designations:	OTTHUMP00000163781,cytotoxic T-lymphocyte-associated antigen 4,cytotoxic T-lymphocyte-associated serine esterase-4,ligand and transmembrane spliced cytotoxic T lymphocyte associated antigen 4

Interactome



Gene Pathway

Autoimmune thyroid disease Cell adhesion molecules (CAMs)
T cell receptor signaling pathway

Related Disease

Abortion, Habitual Abortion, Spontaneous Abruptio Placentae
Acquired Immunodeficiency Syndrome Acute Disease Addison Disease Adenocarcinoma
Adenoma Alcoholism Alopecia Areata Anemia, Aplastic Anemia, Hemolytic, Autoimmune
Arthritis, Juvenile Rheumatoid Arthritis, Psoriatic Arthritis, Rheumatoid Asthma Asthma

Atherosclerosis Autoimmune Diseases

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