

Specifications:

Gene:	hTIMD4
Accession:	NP_612388
Insert size:	1149bp
Concentration:	10µg at 0.2µg/µL

hTIM-4 cDNA Plasmid

TIMD4 T-cell immunoglobulin and mucin domain containing 4 [*Homo sapiens* (human)]

Also known as: TIM4; SMUCKLER

Summary:

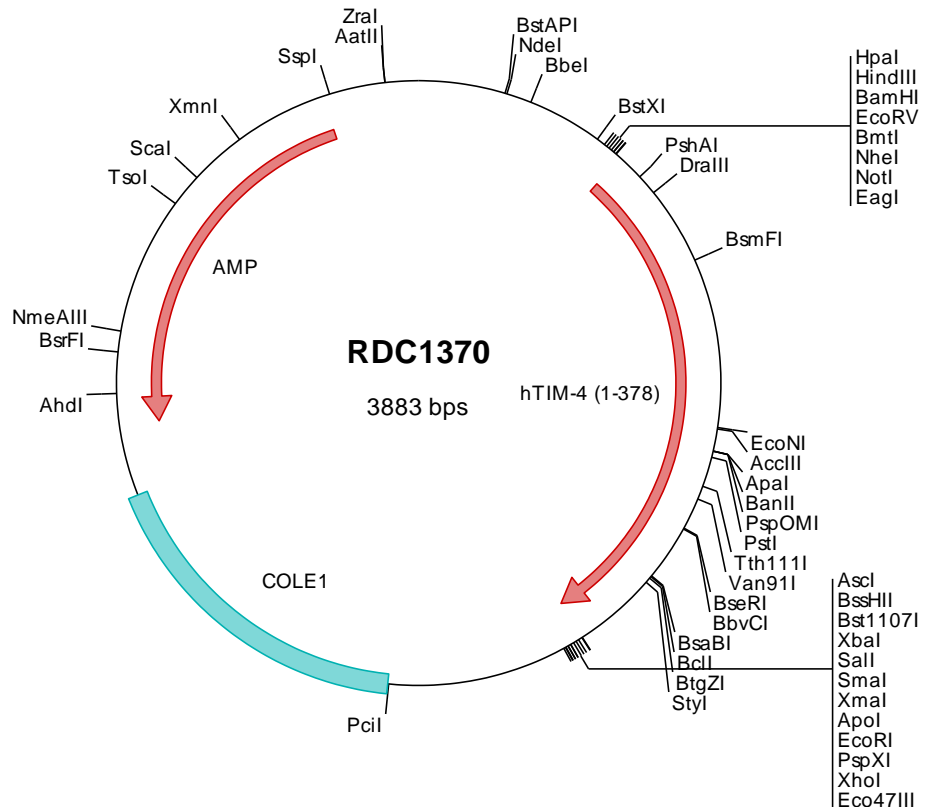
TIM4 is a member of the TIM family of immune regulating proteins. It is a phosphatidylserine receptor that enhances the engulfment of apoptotic cells. TIM4 binds specifically to TIM1 which is also the cellular receptor for the hepatitis A virus. The interaction of TIM4 with TIM1 induces costimulatory and hyperproliferative signals in T cells. Structurally, TIM4 is distinguished from other TIMs by the presence of an RGD motif in its Ig domain and the lack of a site for tyrosine phosphorylation in its cytoplasmic tail. The mucin domain in TIM4 is larger than in TIM1 or TIM3.

Description

This shuttle vector contains the complete ORF for the gene of interest, along with a Kozak consensus sequence for optimal translation initiation. It is inserted NotI to AscI. The gene insert is flanked with convenient multiple cloning sites which can be used to easily cut and transfer the gene cassette into your desired expression vector.

Preparation and Storage

Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC1370 Plasmid DNA Sequence

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> RDC1370 Translated Insert Sequence

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