

Product datasheet for **RG204618**

TASL (NM_025159) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	TASL
Synonyms:	CXorf21
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG204618 representing NM_025159
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCTGTCAGAAGGGTATCTCAGTGGACTTGAGTACTGGAATGACATCCACTGGAGTTGTGCCTCTTATA
ATGAGCAGGTGGCTGGGAAAAGGAAGAGGAGACAAATCTGTTGCTACCCTTTCCTATTCTCTGTGGA
TGAAACACAAGTCAGAAGTCTCTACGTGAGCTGCAATCATCTGGCAAGTTTATCTCTTCAGTGCATTCA
AGAGAGAGCCAACATAGCAGAAGTCAGAGAGTCACAGTGTGCAGACAAACCCCAATCCTGTGTTTGAAA
GCCCCAACTTGGCTGCAGTTGAAATATGTAGAGATGCCAGCAGAGAGACCTACTTGGTTCCATCTTCTTG
CAAAAGTATTTGCAAGAATTATAATGACTTACAGATTGCAGGGGGCCAGGTGATGGCCATTAATTCAGTG
ACAACAGATTTTCCTCTGAGAGCAGTTTTGAATATGGCCCTTGTGCTGAAGTCATCTGAGATTCCTTTAC
CCATGGAGGATTCCATTTCTACTCAGCCCAGTGACTTTCCCCAAAACCTATCCAGCGGTACTCATCCTA
TTGGAGAATAACAAGCATCAAAGAGAAAAGCAGCTTGCAATGCAGAATCCTATTTCTAATGCAGTGCTG
AATGAGTACCTGGAGCAGAAGGTTGTGGAGTTATATAACAGTACATTATGGACACCGTGTTTCATGACA
GTTCTCCTACCCAGATTCTGGCGTCTGAACTCATCATGACAAGGTAGACCAATCAGTCTTCAAGTGTC
TAGAGAGAAGAATCTGGAGACCTCAAAGCCAGAGATATAGTCTTTAGCCGCCTATTGCAATTGATGTCA
ACTGAAATTACTGAAATTAGCACTCCTAGTCTCCATATTTCTCAGTATAGCAATGTAATCCA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence: >RG204618 representing NM_025159
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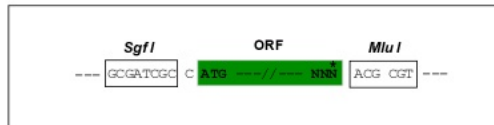
MLSEGYLSGLEWYNDIHWSCASYNEQVAGEKEEETNSVATLSYSSVDETQVRSLYVSKSSGKFISVHS
 RESQHSRSQRVTVLQTNPNPVFESPNLAAVEICRDASRETYLVPSSCKSICKNYNDLQIAGGQVMAINSV
 TDFPSESSFYGLPKSSEIPLPMEDSISTQPSDFPQKPIQRYSSYWRITSIKEKSSLQMNPISNAVL
 NEYLEQKVVELYKQYIMDTVFHDSSPTQILASELIMTSVDQISLQVSREKNLETSKARDIVFSRLLQLMS
 TEITEISTPSLHISQYSNVNP

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



CTATAGGGCGGCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGATCGCCGGCGCCAGATCT

EcoRI BamHI KpnI RBS Kozac Consensus SgfI AscI

CAAGCTTAAGTCTAGTAGCGGACCG ACG CGT ACG CGG CCG CTC GAG ATG GAG AGC GAC ---

HindIII NheI RsrII MluI NotI XhoI GFP Tag

T R T R P L E M E S D - - -

--- GAA GAA AGA GTT TAA ACGGCCGGCCGCGGAGCT

- - E E R V Stop

ACCN: NM_025159

ORF Size: 903 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_025159.1](#), [NP_079435.1](#)

RefSeq Size: 1808 bp

RefSeq ORF: 906 bp

Locus ID: 80231

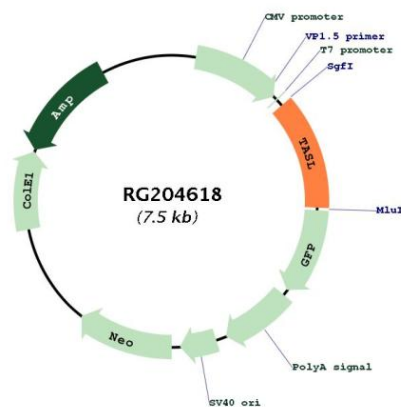
UniProt ID: [Q9HAI6](#)

Cytogenetics: Xp21.2

Protein Families: Druggable Genome

Gene Summary: Plays a role in the regulation of endolysosomal pH in immune cells such as B-cells, dendritic cells and monocytes. May be involved in endolysosomal-dependent immune responses. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG204618