

Product datasheet for **RC204618**

TASL (NM_025159) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TASL (NM_025159) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TASL
Synonyms:	CXorf21
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC204618 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTGTCAGAAGGGTATCTCAGTGGACTTGAGTACTGGAATGACATCCACTGGAGTTGTGCCTTTATA
ATGAGCAGGTGGCTGGGAAAAGGAAGAGGAGACAAATTCGTTGCTACCCTTTCCTATTCCTCTGTGGA
TGAAACACAAGTCAGAAGTCTCTACGTGAGCTGCAAATCATCTGGCAAGTTTATCTTTCAGTGCATTCA
AGAGAGAGCCAACATAGCAGAAGTCAGAGAGTACAGTGTGCAGACAAACCCCAATCCTGTGTTTGAAA
GCCCAAACCTGGCTGCAGTTGAAATATGTAGAGATGCCAGCAGAGAGACCTACTTGGTTCCATCTTCTTG
CAAAAGTATTTGCAAGAATTATAATGACTTACAGATTGCAGGGGCCAGGTGATGGCCATTAATTCAGTG
ACAACAGATTTTCCCTCTGAGAGCAGTTTTGAATATGGCCCTTTGCTGAAGTCATCTGAGATTCCTTTAC
CCATGGAGGATTCATTTCTACTCAGCCAGTGACTTTCCCAAAAACCTATCCAGCGGTAATCATCCTA
TTGGAGAATAACAAGCATCAAAGAGAAAAGCAGCTTGCAAATGCAGAATCCTATTTCTAATGCAGTGCTG
AATGAGTACCTGGAGCAGAAGTTGTGGAGTTATATAACAGTACATTATGGACACCGTGTTCATGACA
GTTCTCCTACCCAGATTCTGGCGTCTGAACTCATCATGACAAGTGTAGACCAAATCAGTCTTCAAGTGTC
TAGAGAGAAGAATCTGGAGACCTCAAAGCCAGAGATATAGTCTTTAGCCGCCTATTGCAATTGATGTCA
ACTGAAATTAAGTAAATAGCACTCCTAGTCTCCATATTTCTCAGTATAGCAATGAAATCCA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC204618 protein sequence
Red=Cloning site Green=Tags(s)

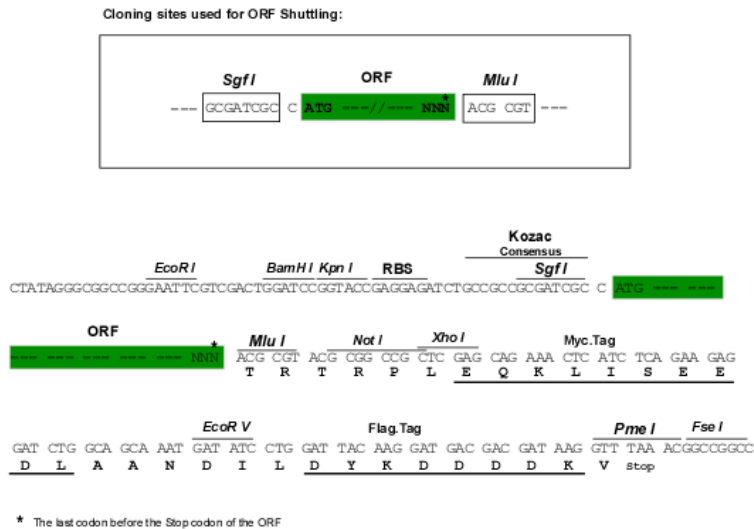
MLSEGYLSGLEWYNDIHWSCASYNEQVAGEKEEETNSVATLSYSSVDETQVRSLYVSCKSSGKFISSVHS
 RESQHSRSQRVTVLQTNPNPVFESPMLAAVEICRDASRETYLVPSSCKSICKNYNDLQIAGGQVMAINS
 VTTDFPSESSFYEGPLKSEIPLMEDIISTQPSDFPQKPIQRYSSYWRITSIKEKSSLQMQNPISNAVL
 NEYLEQKVVELYKQYIMDTVFHDSSTPTQILASELIMTSVDQISLQVSREKNLETSKARDIVFSRLLQLMS
 TEITEISTPSLHISQYSNVNP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6172_c10.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



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.

RefSeq: [NM_025159.3](#)

RefSeq Size: 1927 bp

RefSeq ORF: 906 bp

Locus ID: 80231

UniProt ID: [Q9HAI6](#)

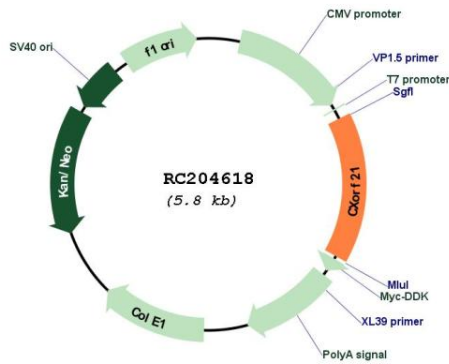
Cytogenetics: Xp21.2

Protein Families: Druggable Genome

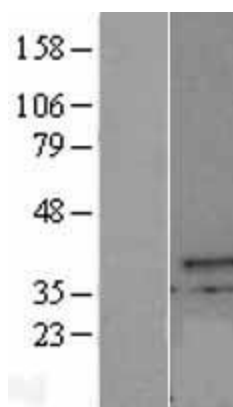
MW: 33.9 kDa

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 RC204618



Western blot validation of overexpression lysate (Cat# [LY403054]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC204618 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).