

Product datasheet for **RG235889**

OPALIN (NM_001284320) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: OPALIN (NM_001284320) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: OPALIN
Synonyms: HTMP10; TMEM10; TMP10
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG235889 representing NM_001284320.
Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTGTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAGTTTTTCACTGAACTTCACCCTGCCGGCGAACACAGACTGTGGCCCTCTCTTGGATTAGCGGCG
GGCATAACCATTGCTGGTGGCCACAGCCCTGCTGGTGGCTTTACTATTTACTTTGATTACCGAAGAAGA
AGCAGCATTGAGGCCATGGAGGAAAGTGACAGACCATGTGAAATTTAGAAATTGATGACAATCCCAAG
ATATCTGAGAATCCTAGGAGATCACCCACACATGAGAAGAATACGATGGGAGCACAAGAGGCCACATA
TATGTGAAGACTGTAGCAGGAAGCGAGGAACCTGTGCATGACCGTTACCGTCCTACTATAGAAATGGAA
AGAAGGAGGGGATTGTGGTGGCTTGTGCCAGACTGAGCCTGGAA
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```

Protein Sequence: >Peptide sequence encoded by RG235889
Blue=ORF Red=Cloning site Green=Tag(s)

```
MSFSLNFTLPANTDCGSLGLAAGIPLLVATALLVALLFTLIHRRRSSIEAMEESDRPCEISEIDNPK
ISENPRRSPTHEKNTMGAQEAHIYVKTVAGSEEPVHDIRPTIEMERRRGLWWLVPRLSLE
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNAIVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

Restriction Sites: Sgfl-MluI



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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).
RefSeq:	NM_001284320.1 , NP_001271249.1
RefSeq Size:	3602 bp
RefSeq ORF:	393 bp
Locus ID:	93377
UniProt ID:	Q96PE5
Cytogenetics:	10q24.1
Protein Families:	Transmembrane
MW:	15.1 kDa
Gene Summary:	Central nervous system-specific myelin protein that increase myelin genes expression during oligodendrocyte differentiation. Promotes oligodendrocyte terminal differentiation. [UniProtKB/Swiss-Prot Function]