

Product datasheet for **RG208369**

Prostein (SLC45A3) (NM_033102) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Prostein (SLC45A3) (NM_033102) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Prostein
Synonyms:	IPCA-2; IPCA-6; IPCA-8; IPCA6; PCANAP2; PCANAP6; PCANAP8; PRST
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG208369 representing NM_033102
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGTCCAGAGGCTGTGGGTGAGCCGCTGCTGCGGCACCGGAAAGCCAGCTCTTGCTGGTCAACCTGC
 TAACCTTTGGCCTGGAGGTGTGTTGGCCGCAGGCATCACCTATGTGCCGCTCTGCTGCTGGAAGTGGG
 GGTAGAGGAGAAGTTCATGACCATGGTGTGGCATTGGTCCAGTGTGGCCTGGTCTGTGTCCCCTC
 CTAGGCTCAGCCAGTGACCACTGGCGTGGACGCTATGGCCGCGCCGGCCCTTCACTGGGCACTGTCT
 TGGGCATCTGCTGAGCCTTTTCTCATCCAAGGGCCGGCTGGCTAGCAGGGCTGCTGTCCCAGGATCC
 CAGGCCCTGGAGCTGGCACTGCTCATCTGGCGTGGGCTGCTGGACTTCTGTGGCCAGGTGTGCTTC
 ACTCCACTGGAGGCCCTGCTCTGACCTTCCGGGACCCGGACCACTGTGCCAGGCCTACTCTGTCT
 ATGCCTTCATGATCAGTCTTGGGGCTGCCTGGGCTACCTCCTGCCTGCCATTGACTGGGACACCAGTGC
 CCTGGCCCCCTACCTGGGCACCCAGGAGGAGTGCCTCTTGGCCTGCTCACCTCATCTTCTCACCTGC
 GTAGCAGCCACACTGCTGGTGGCTGAGGAGGCAGCGCTGGGCCCCACCGAGCCAGCAGAAGGGCTGTCCG
 CCCCCTCCTGTGCGCCCACTGCTGTCCATGCCGGGCCGCTTGGCTTTCGGAACCTGGGCGCCCTGCT
 TCCCCGGCTGCACCAGCTGTGCTGCCGCATGCCCGCACCTGCGCCGGCTCTTCGTGGCTGAGCTGTGC
 AGCTGGATGGCACTCATGACCTTACGCTGTTTTACACGGATTCGTGGGCGAGGGGCTGTACCAGGGCG
 TGCCAGAGCTGAGCCGGGACCCAGGCCCGGAGACACTATGATGAAGGGCTTCGGATGGGACGCTGGG
 GCTGTTCTGCAGTGGCCATCTCCCTGGTCTTCTCTGGTTCATGGACCGGCTGGTGCAGCGATTCCGC
 ACTCGAGCAGTCTATTTGGCCAGTGTGGCAGCTTCCCTGTGGCTGCCGTTGCCACATGCCTGTCCCACA
 GTGTGGCCGTGGTGACAGCTTACGCCGCCCTCACCGGGTTCACCTTCTCAGCCCTGCAGATCCTGCCCTA
 CACACTGGCCTCCCTCTACCACCGGAGAGCAGGTGTTCTGCCCAAATACCGAGGGGACACTGGAGGT
 GCTAGCAGTGAGGACAGCCTGATGACCAGCTTCTGCCAGGCCCTAAGCCTGGAGCTCCCTTCCCTAATG
 GACACGTGGGTGCTGGAGGCAGTGGCCTGCTCCCACCTCCACCCGCGCTGCGGGGCTCTGCCTGTGA
 TGTCTCCGTACGTGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGT
 GACCTCGCCATCCTGGATAGTGCCTTCTGCTGTCCCAGGTGGCCCCATCCCTGTTTATGGGCTCCATTG
 TCCAGCTCAGCCAGTCTGCTACTGCCTATATGGTGTCTGCCGAGGCCTGGGTCTGGTCCGCACTTACTT
 TGCTACACAGGTAGTATTTGACAAGAGCGACTTGCCAAATACTCAGCG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG208369 representing NM_033102
 Red=Cloning site Green=Tags(s)

MVQRLWVSRLLRHRKAQLLL VNLITFGLVCLAAAGITYVPPLLLLEVGVEEFMTMVLGIGPVLGLVCVPL
 LGSASDHWGRYGRRRPFIWALSLGILLSLFLIPRAGWLAGLLCPDPRPLELALLILGVLLDFCGQVCF
 TPLEALLSDLFRDPDHCRAQYSVYAFMISLGGCLGYLLPAIDWDTALAPYLGTQEECLFGLLTLIFLTC
 VAATLLVAEEAALGPTEPAEGLSAPSLSPHCCPCRARLAFRNLGALLPRLHQLCCRMPRTLRRFLVAELC
 SWMALMTFTLFYTDVFGEGLYQGVPRAPGTEARRHYDEGVRMGSGLFLQCAISLVFSLVMDRLVQRFG
 TRAVYLASVAAFPVAAGATCLSHSVAVVTASAALTGFTFSALQILPYTLASLYHREKQVFLPKYRGDTGG
 ASSEDSLMTSFLPGPKGAPFPNGHVGAGGSGLLPPPPALCGASACDVSVRVVVGEPTEARVVPGRGICL
 DLAILDSAFLLSQVAPSLFMGSIVQLSQSVTAYMVAAGLGLVAIYFATQVVFDKSDLAKYSA

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_033102

ORF Size: 1659 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_033102.3](#)

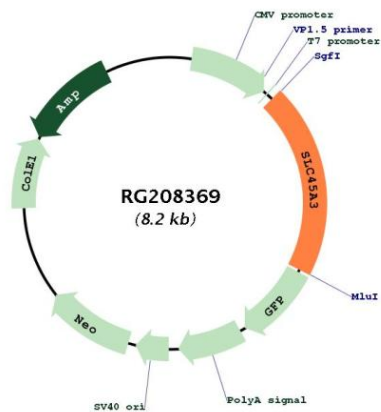
RefSeq Size: 3398 bp

RefSeq ORF: 1662 bp

Locus ID: 85414

UniProt ID: [Q96JT2](#)
 Cytogenetics: 1q32.1
 Protein Families: Transmembrane

Product images:



Circular map for RG208369