

Product datasheet for **RG215468**

VPS13B (NM_015243) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	VPS13B (NM_015243) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	VPS13B
Synonyms:	CHS1; COH1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide
Sequence:**

>RG215468 representing NM_015243
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTGGAGTCATATGTAACCCAATTTTAATGAGCTATGTGAATCGCTACATCAAGAACTTAAAGCCGT
 CGGATCTACAGCTTTCACTATGGGGTGGAGACGTGGTACTCAGCAAGCTCGAGTTAAAGTTGGATGTGCT
 GGAACAGGAAGTAAATACCATTCACTTTTTAAGTGGACATATTCATGAATTGAGGATTCATGTACCA
 TGGACAAAAGTGGGTTGAGAACCAGTGGTAATTACCATCAATACTATGGAATGCATTTTGAAGCTTAAAG
 ATGGGATACAGGATGACCATGAAAGCTGTGGTTCTAATTCTACCAACCGTAGTACTGCTGAGAGCAGAAA
 ATCATCAATCAAACCGCGGAGAATGCAGCAGGCTGCTCTACAGATCCTGACTTACCACCAGGTTATGTG
 CAGAGTCTGATTAGACGAGTTGTAATAATGTAAACATTGTGATAAATAATCTCATACTAAAATATGTTG
 AAGATGATATCGTCCTTTCCGTCAATATCACTTCTGCAGAAATGTTATACAGTAGGTGAATTATGGGATCG
 TGCATTGATGGATATTTCTGCAACTGATTTGGTCTGAGAAAGGTTATCAATTTTCTGACTGTACAGTT
 TGTCTTGATAAACGGAATGCCAGTGGTAAAATAGAATTTTACCAGGATCCTTTATTATACAAATGTTCTCT
 TCAGAAGTCTGCTTCATTTTACATATGAAAACCTAAATTTCCAAGATGCCATCTGTTATTTAAATTCATAC
 TTTAGTGGAAAGTTTGAAGCTTTCTATCACAGATCAACAAGTGCCTATGTTTATTCGTATAATGCAACTT
 GGAATTGCTCTTTACTATGGAGAAATAGGCAATTTTAAAGAGGCGAAATAGAGGACCTTACTTGTGATA
 ATAAAGATATGCTAGGAAACATTACAGGTTCTGAAGATGAAACAAGAATAGATATGCAATATCCTGCTCA
 GCATAAAGGTCAAGAGTTATATTCACAGCAAGATGAGGAGCAGCCACAGGGATGGGTGTCATGGGCTCG
 TCCTTTGTGCTGCAATTGTGAGTTATGACGATGGCGAGGAAGACTTTGTTGGGAACGATCCTGCATCAA
 CCATGCATCAACAAAAGCACAGACTTTGAAGGATCCTATTGTTTCTATAGGATTTTATTGCACAAAGGC
 AACGGTGACTTTCAAACCTCACAGAAATGCAAGTTGAGAGTAGTTATTACAGTCCACAGAAAGTAAATCT
 AAAGAAGTATTGTGTTGGGAACAAGAAGGAACACAGTTGAGGCCCTTATGATGGGAGAAGCTTTCTTTG
 ATTGCCAGATTGGGTTTGTGGTTCAGAGCCATGTGCCTTAAAGGAATTATGGGTGTTAAAGATTTTGA
 AGAGAATATGAATAGAAGTGAAGTGAAGCTGAAGCCTGTTTCTTCATTTGTGGTGAATTTGAGTACGAAAGGT
 TTCACATACCTTACAATTCATTGTTTGATTACCGAAGCCAGAAAATAATGGTACTCGCGCAGAAATTTA
 TCTTGGATTCAACTCATCATAAGGAGACATACACTGAGATAGCTGGAATGCAACGGTTTGGGCTTTTTA
 TATGGATTACCTGTATACAATGGAGAACACTAGTGGCAAAGGTTCCACAAATCAACAAGACTTTTCTTCA
 GGGAAAAGTGAAGATTTGGGAACAGTTCAGGAGAAGTCCACCAAAGCCTTGTTATAGGTCCTCTTGATT
 TTCGTTTGGATAGCAGTGCAGTGCATAGGATTTTGAAGATGATTGTGTGCTTGGAAATGAATATGA
 ACCATATAGCAGGCTAAAATCAGATATTAAGGATGAAAATGAAACAATACTGAATCCTGAAGAGGTGGCT
 CTTCTGGAGGAATATATTCCTACTCGACATACAAGTGTACTCTCCTCAAATGTACCTGCACAATTTCCA
 TGGCTGAATTCAACTTGCTGGACCATTTACTACCTGTCATTATGGGAGAAAAGAACTCAAGTAACTTCAT
 GAATACTACAACTTCCAGTCTCTTCGGCCTTTGCCATCCATTGCAATATTGGTGGATAAAATTAATCTG
 GAACATTCAGTGCCAATGTATGCTGAACAGTTGGTGCATGTGGTCAGCAGCCTTACTCAACCTTCTGATA
 ACCTGCTTCATTATTGTTATGTACACTGCTATCTTAAGATATTTGGTTTCCAGGCAGGACTGACGCTTT
 GGATTGCAGTGGATCTTACTGCTTACCTGTACCAGTTATCCCTCTTTCAGCACTGCTCTTTATGGGAAA
 CTTCTGAAACTCCACATGCTGGACAAAAGATCTCAGATTGCTATAACTGAAGGTATATTGAACTTC
 CAAATCTCACAATTCAAGCTACAAGAGCACAGACACTTCTCTTGAAGCAATATATCAAAGTTGGTCTCA
 TCTTGGAAATGTCAGCTCTCCGCACTGATTGAAGCTTTGATAAATGAAATCTTCCTAAGTATAGAGATT
 GGGTCTTGCTATGTTGCCAGGTTGATCTTGAAGTCTGCGCTCAATGATCCTCCACCTCAACCTCC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG215468 representing NM_015243
 Red=Cloning site Green=Tags(s)

MLESYVTPILMSYVNRVIKLNKPSDLQLSLWGGDVVLSKLELKDVLQELKLPFTFLSGHIHELRIHVP
 WTKLGSEPVVITINTMECILKLDGIQDDHESGNSNSTNRSTAESTKSSIKPRRMQQAAPDPLPPGYV
 QSLIRRVVNNVIVINNLIKVEDDIVLSVNITSAECYTVGELWDRAFMDISATDLVLRKVINFSDCTV
 CLDKRNASGKIEFYQDPLLYKCSFRTRLHFTYENLNSKMPSVIKIHTLVESLKLITDQQLPMFIRIMQL
 GIALYYGEIGNFKEGEIEDLTCHNKDMLGNITGSEDETRIDMQYPAQHKGQELYSQQDEEQPGWVSWAW
 SFVPAIVSYDDGEEDFVGNDPASTMHQKAQTLKDPIVIGFYCTKATVTFKLTEMQVESSYYSPQVKVS
 KEVLCWEQEGTTVEALMMGEPFFDCQIGFVGCRAMCLKGIMGVKDFEENMNRSETEACFFICGDNLSTKG
 FTYLTNSLFDYRSPENNGTRAEIFLDSTHHKETYTEIAGMQRFAGFYMDYLYTMENTS SGKSTNQDQFSS
 GKSEDLGTVQEKSTKSLVIGPLDFRLDSSAVHRILKMIVCALEHEYEPYSRLKSDIKDENETILNPEEVA
 LLEEYIPTRHTSVTLKCTCTISMAEFNLLDHLPLVIMGEKNSSNFMNTTNFQSLRPLPSIRILVDKINL
 EHSVPMYAEQLVHVVSSTQPSDNLLHYCYVHCYLKIFGFQAGLTSLDGSGSYCLPVPVIPSFSTALYGK
 LLKLPTCWTKRQIAITEGIFELPNLTIQATRAQTLQLLQAIYQSWSHLGNVSSSAVIEALINEIFLSIEI
 GSCYVAQVDLELLASNDPPTSTS

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN:	NM_015243
ORF Size:	2589 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_015243.3](#)

RefSeq Size: 2822 bp

RefSeq ORF: 2592 bp

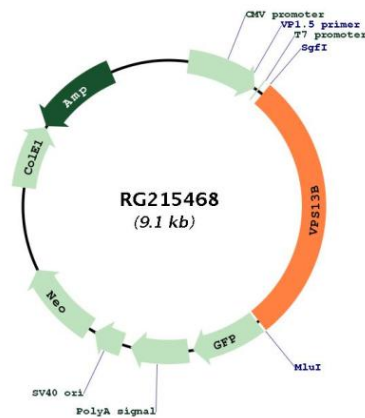
Locus ID: 157680

UniProt ID: [Q7Z7G8](#)

Cytogenetics: 8q22.2

Gene Summary: This gene encodes a potential transmembrane protein that may function in vesicle-mediated transport and sorting of proteins within the cell. This protein may play a role in the development and the function of the eye, hematological system, and central nervous system. Mutations in this gene have been associated with Cohen syndrome. Multiple splice variants encoding distinct isoforms have been identified for this gene. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG215468