

Product datasheet for **RG208925**

ZDHHC13 (NM_019028) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZDHHC13 (NM_019028) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZDHHC13
Synonyms:	HIP3RP; HIP14L
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG208925 representing NM_019028
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGGGGCCGGGGCTGGGCTCGCAGTGCAGGAATCACAGCCATGGCCCCACCCTCCAGATTTGGTC
 GATATGGCATCTGTGCACATGAAAACAAAGAATTGCCAATGCAAGAGAAGCTCTTCCTCTTATAGAGGA
 CTCTAGTAACTGTGACATTGTCAAAGCTACTCAATACGGAATTTTGAACGATGTAAGAGTTGGTAGAA
 GCAGGATATGATGCAGGCAACCAGATAAAGAAAATGTGTGCTTCTTCATTGGGCTGCTATTAACAACA
 GACTGGATCTTGTAAAGTTTTATTTCAAAGGTGCTGTTGTAGATCAGTTGGTGGAGATTTAAATTC
 AACTCCTCTTCACTGGCCATCCGACAAGGACATTTACCTATGGTCATATTACTCCAGCATGGTGCA
 GACCCACTCTTATTGATGGAGAGGGATTGAGCAGCATCCACCTGGCAGTATTGTTCAACACATGCCTA
 TTATAGCATATCTCATCTCAAAGGGACAGAGTGAATATGACAGATGTAATGGGCAGACACCTCTCAT
 GTTATCAGCTCACAAGTAATTGGGCCAGAACCAACTGGATTTCTTTAAAGTTTAACTCTCTCTCAAT
 GTGGTTGATAAAAATACACCAAAACTCCACTTCACTGGGCAGTTGCAGCAGGAAATGTTAATGCAGTTG
 ATAAGCTTTTGAAGCTGGTCTAGCCTGGATATCCAGAATGTTAAGGGAGAAACACCTCTTGATATGGC
 TCTACAAAACAAAATCAGCTCATTATTCATATGCTAAAAACAGAAGCCAAAATGAGAGCCAACCAAAAG
 TTCAGACTTTGGAGGTGGCTGCAGAAATGCGAGCTCTTCTGCTGCTGATGCTTTCTGTGATTACCATGT
 GGGCTATTGGATACATATTGGACTTCAATTCAGATTCTTGGCTTTTAAAGGATGTCTTCTAGTAACACT
 GTTTTTCTGACATCTTTGTTTCCAAGTTCTTGGTTGGGTATAAGAACCTGTATACTTACCAACAGCC
 CCCCTTTCTATTTCAGTTTCATTTTCAGCATAGTAGCCTTTCTATACTTTTCTATAAGACTTTGGCAAC
 TGATCCAGGCTTCACTAAGGCTTCTGAAGAAGAAAAGAAAGTGAATATCATCACCCCTTGCAGAAACTGGC
 TCTCTGGACTTCAGAACATTTTGTACATCATGTCTTATAAGGAAGCCATTAAGGTCACTCCACTGCCATG
 TATGCAACTGCTGTGGCTCGATATGATCAACTGCCTGTGGACTGGACGGTGCATAGTTTTGGCAA
 CCATCACTATTACATATTCTTCTGTTTTCTTTCCATGGTATGTGGCTGGATTATATAGGATCTTTC
 ATCTATTTGTCCAGTCATTGTGCCACAACATCAAAGAAGATGGATTATGGACTTACCTCAATCAGATTG
 TGGCCTGTTCCCTTGGGTTTTATATCTTGTGCTAGCAACTTCCATTTCTCATGGTCAACATTTTT
 ATTATTAATCAACTCTTTCAGATTGCCTTCTGGCCTGACCTCCCATGAGAGAATCAGCTGCAGAAG
 CAGAGCAAGCATATGAAACAGACGTTGCCCTCAGGAAGACACCATACAATCTTGGATTCATGCAGAACC
 TGGCAGATTTCTTTCAGTGTGGCTGCTTTGGCTTGGTGAAGCCCTGTGTGGTAGATTGGACATCACAGTA
 CACCATGGTCTTTCACCCAGCCAGGGAGAAGGTTCTTCGCTCAGTA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG208925 representing NM_019028
 Red=Cloning site Green=Tags(s)

MEGPGLGSQCRNHSHPHPPGFGRYGCIAHENKELANAREALPLIEDSSNCDIVKATQYGFIFERCKELVE
 AGYDVRQPKENVSLLHWAANNRDLVKFYISKGAVVDQLGGDLNSTPLHWAIRQGHLPVILLQHGA
 DPTLIDGEGFSSIHAVLFQHMPPIIAYLISKQSVNMTDVNGQTPMLSAHKVIGPEPTGFLKFNPSLN
 VVDKIHQNTPLHWAVAAGNVNAVDKLEAGSSLDIQNVKGETPLDMALQKNQLIIHMLKTEAKMRANQK
 FRLWRWLQKCELFLLMLSVITMWAIGYILDFNSDSWLLKGCLLVTLLFSLFPRFLVGYKNLVYLPTA
 FLLSSVFIFMTWFIFFPDLAGAPFYFSFIFSIVAFLYFFYKTWATDPGFTKASEEEKVNIITLAETG
 SLDFRTFCTSLIRKPLRSLHCHVCNCCVARYDQHCLWTGRCIGFGNHHYYIFFLFLSMVCGWIIYGSF
 IYLSHCATTFKEDGLWYLNQIVACSPWVLYILMLATFHFWSWTFLLLNQLFQIAFLGLTSHERISLQK
 QSKHMKQTLRLKTPYNLGFMLADDFQCQCGFLVKPCVVDWTSQYTMVFPAREKVLRSV

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_019028

ORF Size: 1866 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_019028.3](#)

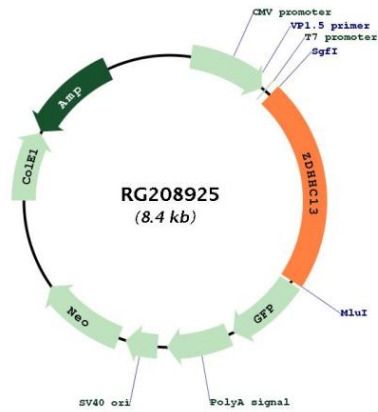
RefSeq Size: 2448 bp

RefSeq ORF: 1869 bp

Locus ID: 54503

UniProt ID: [Q8IUH4](#)
Cytogenetics: 11p15.1
Domains: zf-DHHC, ANK
Protein Families: Transmembrane
MW: 70.9 kDa
Gene Summary: Palmitoyltransferase for HTT and GAD2. May play a role in Mg(2+) transport. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG208925