

## Product datasheet for **RC208604L2V**

### HIF 2 alpha (EPAS1) (NM\_001430) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Lentiviral Particles   |
| Product Name:             | HIF 2 alpha (EPAS1) (NM_001430) Human Tagged ORF Clone Lentiviral Particle   |
| Symbol:                   | HIF 2 alpha  |
| Synonyms:                 | bHLHe73; ECTY4; HIF2A; HLF; MOP2; PASD2  |
| Mammalian Cell Selection: | None   |
| Vector:                   | pLenti-C-mGFP (PS100071)   |
| Tag:                      | mGFP   |
| ACCN:                     | NM_001430  |
| ORF Size:                 | 2610 bp  |
| ORF Nucleotide Sequence:  | The ORF insert of this clone is exactly the same as(RC208604).   |
| 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. <a href="#">More info</a> |
| OTI Annotation:           | This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.   |
| RefSeq:                   | <a href="#">NM_001430.3</a>  |
| RefSeq Size:              | 5184 bp  |
| RefSeq ORF:               | 2613 bp  |
| Locus ID:                 | 2034   |
| UniProt ID:               | <a href="#">Q99814</a>   |
| Cytogenetics:             | 2p21   |
| Domains:                  | PAS, HLH, PAC  |
| Protein Families:         | Druggable Genome, Transcription Factors  |



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**Protein Pathways:** Pathways in cancer, Renal cell carcinoma

**MW:** 96.5 kDa

**Gene Summary:** This gene encodes a transcription factor involved in the induction of genes regulated by oxygen, which is induced as oxygen levels fall. The encoded protein contains a basic-helix-loop-helix domain protein dimerization domain as well as a domain found in proteins in signal transduction pathways which respond to oxygen levels. Mutations in this gene are associated with erythrocytosis familial type 4. [provided by RefSeq, Nov 2009]