

Recombinant Human EPAS1, GST-tagged

Cat. No. EPAS1-12475H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human EPAS1 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-350a.a.
Description	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.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

GENE INFORMATION

Gene Name	EPAS1 endothelial PAS domain protein 1 [Homo sapiens]
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Official Symbol	EPAS1
Synonyms	EPAS1; endothelial PAS domain protein 1; endothelial PAS domain-containing protein 1; bHLHe73; HIF 1 alpha like factor; HIF2A; HLF; MOP2; PASD2; EPAS-1; HIF2-alpha; HIF-2-alpha; HIF-1alpha-like factor; HIF-1-alpha-like factor; member of PAS protein 2; PAS domain-containing protein 2; hypoxia-inducible factor 2 alpha; hypoxia-inducible factor 2-alpha; basic-helix-loop-helix-PAS protein MOP2; class E basic helix-loop-helix protein 73; ECYT4;
Gene ID	2034
mRNA Refseq	NM_001430
Protein Refseq	NP_001421
MIM	603349
UniProt ID	Q99814
Chromosome Location	2p21-p16
Pathway	Adipogenesis, organism-specific biosystem; HIF-2-alpha transcription factor network, organism-specific biosystem; Pathways in cancer, organism-specific biosystem; Renal cell carcinoma, organism-specific biosystem; Renal cell carcinoma, conserved biosystem; Signaling events mediated by VEGFR1 and VEGFR2, organism-specific biosystem;
Function	DNA binding; histone acetyltransferase binding; protein binding; protein heterodimerization activity; contributes_to sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity; signal transducer activity;

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transcription fact

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