

Recombinant Full Length Human EPAS1 Protein, GST-tagged

Cat. No. EPAS1-4349HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human EPAS1 full-length ORF (NP_001421.2, 1 a.a. - 870 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	870 amino acids
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. [provided by RefSeq, Nov 2009]
Molecular Mass	122.1 kDa
AA Sequence	MTADKEKKRSSSERRKEKSRDAARCRRSKETEVFYELAHELPLPHSVSSHLDKASI MRLAISFLRTHKLLSSVCSENESEAEADQQMDNLYLKALEGFIAVVTQDGMIFLSEN ISKFMGLTQVELTGHSIFDFTHPCDHEEIRENLSLKNGSGFGKSKDMSTERDFFMR MKCTVTNRGRTVNLKSATWKVLHCTGQVKVYNNCPPHNSLCGYKEPLLSCLIIMCE PIQHPSHMDIPLDSKTFLSRHSMDMKFTYCDDRITELIGYHPEELLGRSAYEFYHALD SENMTKSHQNLCTKGQVVSGQYRMLAKHGGYVWLETQGTVIYNPRNLQPQCIMCV NYVLSEIEKNDVVFMSMDQTESLFPKPHLMAMNSIFDSSGKGAVSEKSNFLFTKLKEEP

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EELAQLAPTPGDALISLDFGNQNFEESSAYGKAILPPSQPWATELRSHSTQSEAGSL
 PAFTVPQAAAPGSTTPSATSSSSSCSTPNSPEDYYTSLDNDLKIEVIEKLFAMDTEAK
 DQCSTQTDFNELDLETAPYIPMDGEDFQLSPICPEERLLAENPQSTPQHCFASMTN
 IFQPLAPVAPHSPFLLDKFQQQLESKKTEPEHRPMSSIFFDAGSKASLPPCCGQAST
 PLSSMGGRSNTQWPPDPPLHFGPTKWAVGDQRTEFLGAAPLGPPVSPPHVSTFKT
 RSAKGFGARGPDVLSAMVALSNKLLKLRQLEYEEQAFQDLSSGGDPPGGSTSHLM
 WKRMKNLRGGSCPLMPDKPLSANVPNDKFTQNPMRGLGHPLRHLPLPQPPSAISP
 GENSKSRFPPQCYATQYQDYSLSAHKVS GMASRLLGPSFESYLLPELTRYDCEVN
 VPVLGSSTLLQGGDLLRALDQAT

Applications

Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

EPAS1 endothelial PAS domain protein 1 [Homo sapiens]

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;

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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

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