

Recombinant Human EPAS1 protein, His-tagged

Cat. No. EPAS1-3021H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human EPAS1 protein(521-870 aa), fused to His tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	521-870 aa
Form	The purified protein was Lyophilized from sterile PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 300mM imidazole.
AA Sequence	FNELDLETLAPYIPMDGEDFQLSPICPEERLLAENPQSTPQHCFSAMTNIFQPLAPVA PHSPFLLDKFQQQLESKKTEPEHRPMSSIFFDAGSKASLPCCGQASTPLSSMGGRR SNTQWPPDPPLHFGPTKWAVGDQRTEFLGAAPLGPPVSPPHVSTFKTRSAKGFGA RGPDLVSPAMVALSNKLLKLRQLEYEEQAFQDLSGGDPPGGSTSHLMWKRMKNLR GGSCPLMPDKPLSANVPNDKFTQNPMRGLGHPLRHLPLQPSPAISPGENSKSRFP PQCYATQYQDYSLSAHKVSGMASRLLGPSFESYLLPELTRYDCEVNVPLGSSTL LQGGDLLRALDQAT
Purity	90%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Short-term storage: Store at 2-8°C for (1-2 weeks). Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, buffer

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containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles.

Reconstitution

Reconstitute at 0.25 µg/µl in 200 µl sterile water for short-term storage.
Reconstitution with 200 µl 50% glycerol solution is recommended for longer term storage.

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; 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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