

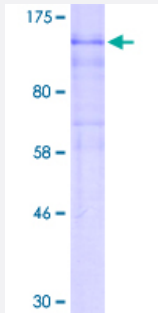
Full-Length

EPAS1 (Human) Recombinant Protein (P03)

Catalog # H00002034-P03

Size 2 ug

Applications



Specification

Product Description

Human EPAS1 full-length ORF (NP_001421.2, 1 a.a. - 870 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MTADKEKKRSSSEERRKEKSRDAARCRRSKETEVFYELAHELPLPHSVSSHLDKASIMRLAISFLR
THKLLSSVCSENESEAEADQQMDNLYLKALEGFIAVVTQDGMIFLSENISKFMGLTQVELTGHSI
FDFTHPCDHEEIRENLSLKNGSGFGKSKDMSTERDFFMRMKCTVTNRGRTVNLKSATWKVLHC
TGQVKVYNNCPPHNSLCGYKEPLLSCLIIMCEPIQHPSHMDIPLDSKTFLSRHSMMDMKFTYCDDRIT
ELIGYHPEELLGRSAYEFYHALDSENMTKSHQNLCTKGQVVSGQYRMLAKHGGYVWLETQGTVIY
NPRNLQPQCIMCVNYVLSEIEKNDVVFSDMQTESLFKPHLMAMNSIFDSSGKGAVSEKSNFLFTK
LKEEPEELAQLAPTPGDAIISLDFGNQNFEESSAYGKAILPPSQPWATELRSHSTQSEAGSLPAFT
VPQAAAPGSTTPSATSSSSSCSTPNSPEDYYTSLDNDLKIEVIEKLFAMDTEAKDQCSTQTDENE
LDLETAPYIPMDGEDFQLSPICPEERLLAENPQSTPQHCFSAMTNIFQLAPVAPHSPFLLDKFQ
QQLESKKTEPEHRPMSSIFFDAGSKASLPPCCGQASTPLSSMGGRSNTQWPPDPPLHFGPTKW
AVGDQRTEFLGAAPLGPVSPPHVSTFKTRSAKGFARGPDVLSAMVALSNKLKLKRQLEYEE
QAFQDLSSGGDPPGGSTSHLMWKRMRNLGGSCPLMPDKPLSANVPNDKFTQNPMRGLGHPLR
HLPLPQPPSAISPGENSKSRFPPQCYATQYQDYSLSSAHKVSVMASRLLGPSFESYLLPELTRYD
CEVNPVVLGSSTLLQGGDLLRALDQAT

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

122.1

Preparation Method

[in vitro wheat germ expression system](#)

Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

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

Gene Info — EPAS1

Entrez GeneID	2034
GeneBank Accession#	NM_001430.3
Protein Accession#	NP_001421.2
Gene Name	EPAS1
Gene Alias	ECYT4, HIF2A, HLF, MOP2, PASD2, bHLHe73
Gene Description	endothelial PAS domain protein 1
Omim ID	603349
Gene Ontology	Hyperlink
Other Designations	HIF-1alpha-like factor

Publication Reference

- [HIF factors cooperate with PML-RAR \$\alpha\$ to promote acute promyelocytic leukemia progression and relapse.](#)

Coltella N, Percio S, Valsecchi R, Cuttano R, Guarnerio J, Ponzoni M, Pandolfi PP, Melillo G, Pattini L, Bernardi R.

EMBO Molecular Medicine 2014 May; 6(5):640.

Application: IP-WB, Human, HEK-293 cells

Pathway

- [Pathways in cancer](#)
- [Renal cell carcinoma](#)

Disease

- [Altitude Sickness](#)
- [Anoxia](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hypertension](#)
- [Polycythemia](#)
- [Retinopathy of Prematurity](#)