

Endothelial PAS domain-containing protein 1

Catalog No: #AP79257



Package Size: #AP79257-1 50ug #AP79257-2 100ug #AP79257-3 1mg

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Description

Product Name	Endothelial PAS domain-containing protein 1
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% by SDS-PAGE
Species Reactivity	Human
Immunogen Description	Recombinant protein
Other Names	BHLHE73,HIF2A,MOP2,PASD2,Basic-helix-loop-helix-PAS protein MOP2,Class E basic helix-loop-helix protein 73,HIF-1-alpha-like factor,Hypoxia-inducible factor 2-alpha,Member of PAS protein 2,PAS domain-containing protein 2,bHLHe73,HLF,HIF-2-alpha
Accession No.	Q99814Gene name:EPAS1
Uniprot	Q99814
GeneID	2034;
Tag Info	His
Formulation	50mM NaH ₂ PO ₄ , 500mM NaCl Buffer with 500mM Imidazole,10%glycerol(PH8.0)
Storage	Store at -20C. (Avoid repeated freezing and thawing.)Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

Transcription factor involved in the induction of oxygen regulated genes. Binds to core DNA sequence 5'-[AG]CGTG-3' within the hypoxia response element (HRE) of target gene promoters. Regulates the vascular endothelial growth factor (VEGF) expression and seems to be implicated in the development of blood vessels and the tubular system of lung. May also play a role in the formation of the endothelium that gives rise to the blood brain barrier. Potent activator of the Tie-2 tyrosine kinase expression. Activation seems to require recruitment of transcriptional coactivators such as CREBBP and probably EP300. Interaction with redox regulatory protein APEX seems to activate CTAD.

References

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Note: This product is for in vitro research use only