

Egl nine homolog 1 (EGLN1) Recombinant Protein | EGLN1 recombinant protein

Recombinant Human Egl nine homolog 1 (EGLN1)

CATALOG #
AAA117004

HOST
E Coli or Yeast or Baculovirus or Mammalian Cell

PRODUCT SYNONYMS

Egl nine homolog 1 (EGLN1); Recombinant Human Egl nine homolog 1 (EGLN1); EGLN1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	2-426, Full length protein
Sequence	ANDSGGPGGP SPSEDRQYC ELCGKMENLL RCSRCRSSFY CCKEHRQDW KKKHLVCQGS EGALGHGVGP HQHSGPAPPA AVPPPRAGAR EPRKAAARRD NASGDAAGKG VKAKPPADPA AAASPCRAAA GGQGSAAVAAE AEPGKEEPPA RSSLFQEKAN LYPPSNTPGD ALSPGGGLRP NGQTKPLPAL KLALEYIVPC MNKHGICVVD DFLGKETGQQ IGDEVRLHD TGKFTDQLV SQKSDSSKDI RGDKITWIEG KEPGCETIGL LMSSMDDLIR HCNGKLGSYK INGRKAMVA CYPNGTGYV RHVDNPNNGDG RCVTCIYYLN KDWDKVSOGG ILRIFPEGKA QFADIEPKFD RLLFFWSDRR NPHEVQPAYA TRYAITVWYF DADERARAKV KYLTGEKGVR VELNKPSSDSV GKDVF
Sequence Length	425
Species	Human
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.

ADDITIONAL INFORMATION

Related Product Information for EGLN1 recombinant protein

This protein catalyzes the post-translational formation of 4-hydroxyproline in hypoxia-inducible factor (HIF) alpha proteins. HIF is a transcriptional complex that plays a central role in mammalian oxygen homeostasis. This protein functions as a cellular oxygen sensor, and under normal oxygen concentration, modification by prolyl hydroxylation is a key regulatory event that targets HIF subunits for proteasomal destruction via the von Hippel-Lindau ubiquitylation complex. Mutations in this gene are associated with erythrocytosis familial type 3 (ECYT3).

NCBI AND UNIPROT INFORMATION

NCBI GI #	13489073
NCBI GeneID	54583
NCBI Accession #	NP_071334.1
NCBI GenBank Nucleotide #	NM_022051.2
UniProt Accession #	Q9GZT9 ; Q8N3M8 ; Q9BZS8 ; Q9BZT0
Molecular Weight	36,486 Da
NCBI Official Full Name	egl nine homolog 1

NCBI Official Synonym Full Names	egl-9 family hypoxia inducible factor 1
NCBI Official Symbol	EGLN1
NCBI Official Synonym Symbols	HPH2; PHD2; SM20; ECT3; HALAH; HPH-2; HIFPH2; ZMYND6; C1orf12; HIF-PH2
NCBI Protein Information	egl nine homolog 1
UniProt Protein Name	Egl nine homolog 1
UniProt Gene Name	EGLN1
UniProt Synonym Gene Names	HIF-PH2; HIF-prolyl hydroxylase 2; HPH-2; PHD2

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/egl1-recombinant-protein-e-coli-or-yeast-or-baculovirus-or-mammalian-cell/117004>