

Alphaenolase Active Protein

Alphaenolase protein

CATALOG # AAA75217	HOST Human	APPLICATIONS SDS-Page
------------------------------	----------------------	---------------------------------

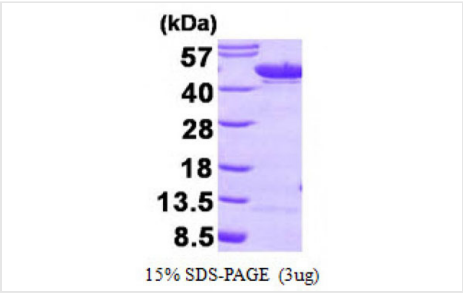
PRODUCT SYNONYMS

Alphaenolase; Alphaenolase protein; Enolase 1 protein; C myc promoter binding protein protein; 2 phospho D glycerate hydro lyase protein; Alpha enolase protein; Phosphopyruvate hydratase protein; MPB 1 protein; ENO1L1 protein; MYC promoter-binding protein 1 protein; Non neural enolase protein; Enolase 1 (alpha) like 1 protein; Non-Neuronal Enolase (NNE) protein; MYC promoter binding protein 1 protein; EC 4.2.1.11 protein; NNE protein; MBP-1 protein; PPH protein; Enolase-1 protein; MBPB1 protein; Plasminogen binding protein protein; MBP 1 protein; ENO1 protein; Enolase 1 (alpha) protein; tau-crystallin protein; MPB1 protein; MBP1 protein; Alphaenolase active protein

PRODUCT SPECIFICATIONS

Host	Human
Purity/Purification	> 90% pure
Form/Format	Supplied as a liquid in 20mM Tris-HCl buffer, pH 7.5, containing 1 mM MgSO4 and 10% glycerol.
Concentration	1 mg/ml (varies by lot)
Sequence	1-434amino acids:MSIL KIHAREIFDS RGNPTVEVDL FTSKGLFRAA VPSGASTGIY EALELRDNDK TRYMGKGVSK AVEHINKTIA PALVSKKLVN TEQEKIDKLM IEMDG TENKS KFGANAILGV SLAVCKAGAV EKGVP L YRHI ADLAGNSEVI LPVPAFNVIN GGSHAGNKLA MQEFMILPVG AANFREAMRI GAEVYHNLKN VIKKEYGKDA TNVGDEGGFA PNILENKEGL ELLKTAIGKA GYTDKVVIGM DVAASEFFRS GKYDLDFKSP DDPSRYISPD QLADLYKSFI KDYPVVSIED PFDQDDWGAW QKFTASAGIQ VVGDDLTVTN PKRIAKAVNE KSCNCLLLKV NQIGSVTESL QACKLAQANG WGVMVSHRSG ETEDTFIADL VVGLCTGQIK TGAPCRSERL AKYNQLLRIE EELGSKAKFA GRNFRNPLAK
Sequence Length	434
Applicable Applications for Alphaenolase active protein	SDS-PAGE
Protein Type	Recombinant
Biological Significance	Alpha-enolase, also known as Enolase 1, is one of three enolase isoenzymes and a glycolytic enzyme expressed in most tissues. This protein plays a key role in anaerobic metabolism under hypoxic conditions and may act as a cell surface plasminogen receptor during tissue invasion. Abnormal expression of alpha-enolase is associated with tumor progression in some cases of breast and lung cancer. It also has been identified as an autoproten associated with Hashimoto's encephalopathy and severe asthma. Recombinant human alpha-enolase was expressed in E Coli and purified by using conventional chromatography.
Bioactivity	Specific activity: > 13 units/ml. One unit will convert 1.0 umole of 2-phosphoglycerate to phospho(enol)pyruvate per minute at pH 7.5 at 25 degree C
Expression System	E Coli
Preparation and Storage	Store at 4 degree C for short term storage (1/2 weeks). Aliquot and store at -20 degree C or - 70 degree C for long term storage. Avoid repeated freeze/thaw cycles.

IMAGES



SDS-PAGE
Figure annotation denotes ug of protein loaded and % gel used.

ADDITIONAL INFORMATION

Related Product Information for Alphaenolase active protein	Purified recombinant Human Alphaenolase protein
Product Categories/Family for Alphaenolase active protein	Nutrition & Metabolism

NCBI AND UNIPROT INFORMATION

NCBI GI #	818943187
Molecular Weight	47.1 kDa (434aa), confirmed by MALDI-TOF.
NCBI Official Full Name	Alpha-enolase

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/human-active-protein/alphaenolase/75217>