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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

ENO1 (Human) Recombinant Protein (P01)

Catalog Number: H00002023-P01

Regulation Status: For research use only (RUO)

Product Description: Human ENO1 full-length ORF (AAH11130.1, 1 a.a. - 434 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

MSILKIHAREIFDSRGNPTVEVDLFTSKGLFRAAVPSGA
STGIYEALELRDNDKTRYMGKGVSKAVEHINKTIAPAL
VSKKLVNTEQEIKIDKLMIEDGTENKSKFGANAILGVS
LAVCKAGAVEKGVPLYRHIADLAGNSEVILPVPFNVIN
GGSHAGNKLAMQEFMILPVGAA NFREARIGAEVYHN
LKNVIKEKYGKDATNVGDEGGFAPNILENKEGLELLKT
AIGKAGYTDKVVIGMDVAASEFFRSGKYDLDFKSPDD
PSRYISPDQLADLYKSFIKDYPVVSIEDPFDQDDWGAW
QKFTASAGIQVVGDDLTVTNPKRIAKAVNEKSCNCLLL
KVNQIGSVTESLQACKLAQANGWGMVSHRSGETED
TFIADLVVGLCTGQIKTGAPCRSERLAKYNQLLRIEEGL
GSKAKFAGRNFNRNPLAK

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 73.48

Applications: AP, Array, ELISA, WB-Re
(See our web site product page for detailed applications information)

Protocols: See our web site at
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Preparation Method: [in vitro wheat germ expression system](#)

Purification: Glutathione Sepharose 4 Fast Flow

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.

Entrez GeneID: 2023

Gene Symbol: ENO1

Gene Alias: ENO1L1, MBP-1, MPB1, NNE, PPH

Gene Summary: This gene encodes one of three enolase isoenzymes found in mammals; it encodes alpha-enolase, a homodimeric soluble enzyme, and also encodes a shorter monomeric structural lens protein, tau-crystallin. The two proteins are made from the same message. The full length protein, the isoenzyme, is found in the cytoplasm. The shorter protein is produced from an alternative translation start, is localized to the nucleus, and has been found to bind to an element in the c-myc promoter. A pseudogene has been identified that is located on the other arm of the same chromosome. [provided by RefSeq]

References:

1. Direct characterization of target podocyte antigens and auto-antibodies in human membranous glomerulonephritis: Alfa-enolase and borderline antigens. Bruschi M, Carnevali ML, Murtas C, Candiano G, Petretto A, Prunotto M, Gatti R, Argentiero L, Magistrini R, Garibotto G, Scolari F, Ravani P, Gesualdo L, Allegri L, Ghiggeri GM. J Proteomics. 2011 May 19. [Epub ahead of print]
2. Melanoma-Associated Retinopathy: A Paraneoplastic Autoimmune Complication. Lu Y, Jia L, He S, Hurley MC, Leys MJ, Jayasundera T, Heckenlively JR. Arch Ophthalmol. 2009 Dec;127(12):1572-80.
3. Antifibroblast antibodies from systemic sclerosis patients bind to {alpha}-enolase and are associated with interstitial lung disease. Terrier B, Tamby MC, Camoin L, Guilpain P, Berezne A, Tamas N, Broussard C, Hotellier F, Humbert M, Simonneau G, Guillevin L, Mouthon L. Ann Rheum Dis. 2010 Feb;69(2):428-33. Epub 2009 Mar 16.