



Alpha-enolase, Recombinant, Mouse, aa2-433, His-Tag (Eno1)

Catalog number

405866

Supplier

United States Biological

Multifunctional enzyme that, as well as its role in glycolysis, plays a part in various processes such as growth control, hypoxia tolerance and allergic responses. May also function in the intravascular and pericellular fibrinolytic system due to its ability to serve as a receptor and activator of plasminogen on the cell surface of several cell-types such as leukocytes and neurons. Stimulates immunoglobulin production.

Source

Partial recombinant protein corresponding to aa2-433 from mouse Alpha-enolase, fused to 10xHis-tag at N-terminal, expressed in E. coli.

Molecular Weight

~50.4kD

AA Sequence

SILRIHAREIFDSRGNPTVEVDLYTAKGLFRAAVPSGASTGIYEALERDNDKTRFMGKGVSQAVEHINKTIAPALVSK
KVVNVEQEKIDKLMIEDGTENKSKFGANAILGVSLAVCKAGAVEKGVPLYRHIADLAGNPEVILPVPAFNVINGGSH
AGNKLAMQEFMILPVGASSFREAMRIGAEVYHNLKNVIKEKYGKDATNVGDEGGFAPNILENKEALELLKTAIAKAGY
TDQVVIGMDVAASEFYRSGKYDLDFKSPDDPSRYITPDQLADLYKSFVQNYPPVVSIEDPFDQDDWGAWQKFTASA
GIQVVGDDLTVTNPKRIAKAAASEKSCNCLLLKVNQIGSVTESLQACKLAQSNWGWVMVSHRSGETEDTFIADLVVG
LCTGQIKTGAPCRSERLAKYNQILRIEEELGSKAKFAGRSFRNPLA

Storage and Stability

May be stored at 4°C for short-term only. Aliquot to avoid repeated freezing and thawing. Store at -20°C. Aliquots are stable for 6 months after receipt at -20°C. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Further dilutions can be made in assay buffer.

Formulation

Supplied as a liquid in Tris, 50% glycerol.

Purity

~90% (SDS-PAGE)

Grade

Purified

Storage

-20°C



MW

50.4

Antigen Modification

Recombinant, E. coli

Reference

1. Cholesteryl ester loading of mouse peritoneal macrophages is associated with changes in the expression or modification of specific cellular proteins, including increase in an alpha-enolase isoform." Bottalico L.A., Kendrick N.C., Keller A., Li Y., Tabas I. Arterioscler. Thromb. 13:264-275(1993).