

**Eno2, 1-434aa, Mouse, His-tag, E.coli**

**Cat.NO.: TP02017**

3th Edition

**Synonyms:**Gamma enolase isoform1, A1837106, D6Ert375e, Eno-2, NSE

**Description:**Eno2, also known as Gamma enolase isoform1, is a glycolytic isoenzyme which is located in central and peripheral neurons and neuroendocrine cells. This enzyme is released into the CSF when neural tissue is injured. Neoplasms derived from neural or neuroendocrine tissue may release Eno2 into the blood. Eno2 is a useful substance that has been detected in patients with certain tumors, namely: neuroblastoma, small cell lung cancer, medullary thyroid cancer, carcinoid tumors, pancreatic endocrine tumors, and melanoma. Recombinant mouse Eno2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

**Form:**Liquid. In Phosphate Buffered Saline (pH7.4) containing 10% glycerol

**Molecular Weight:**49.7kDa (457aa) confirmed by MALDI-TOF

**Sequences:**

MGSSHHHHHSSGLVPRGSHMGSMSIEKIWAREILDSRGNPTVEVDLYTAKGLFRAAVPSGASTGIYEALELRDGD  
KQRYLGKGVKAVDHINSRIAPALISSGISVVEQEKLNLMLLELDGTENKSKFGANAILGVSLAVCKAGAAERDLPLY  
RHIAQLAGNSDLILPVPFNVINGGSHAGNKLAMQEFMILPVGAEFRDAMRLGAEVYHTLKGVIKDKYGKDATNVG  
DEGGFAPNILENSEALELVKEAIDKAGYTEKMVIGMDVAASEFYRDGKYDLDFKSPADPSRYITGDQLGALYQDFVR  
NYPVVSIEDPFDQDDWAAWSKFTANVGIQIVGDDLTVTNPKRIERAVEEKACNCLLLKVNQIGSVTEAIQACKLAQE  
NGWGVMSHRSGETEDTFIADLVVGLCTGQIKTGAPCRSERLAKYNQLMRIEELGDEARFAGHNFRNPSVL

**Purity:**> 95% by HPLC

**Concentration:**1mg/ml (determined by Absorbance at 280nm)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.