

# Recombinant Full Length Human ENO2 Protein, C-Flag-tagged

**Cat. No.** ENO2-171HFL    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Full Length Human ENO2 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Source</b>           | Mammalian Cells                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Description</b>      | This gene encodes one of the three enolase isoenzymes found in mammals. This isoenzyme, a homodimer, is found in mature neurons and cells of neuronal origin. A switch from alpha enolase to gamma enolase occurs in neural tissue during development in rats and primates.                                                                                                                                                                                                                                              |
| <b>Form</b>             | 25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Molecular Mass</b>   | 47.1 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>AA Sequence</b>      | MSIEKIWAREILDSRGNPTVEVDLYTAKGLFRAAVPSGASTGIYEALERDGDQKQRYL<br>GKGV LKAVDHIN STIAPALISSGLSVVEQEKL DNLMELDGTENKSKFGANAILGVSL<br>AVCKAGAAERELPLYRHIAQLAGN SDLILVPAPFN VINGGSHAGNKLAMQE FMILPV<br>GAESFRDAMRLGAEVYHTLKGVIKDKYGKDATNVGDE GGFAPNILENSEALELVKE<br>AIDKAGYTEKIVIGMDVAASEFYRDGKYDLDFKSPTDPSRYITGDQLGALY QDFVRD<br>YPVVSIEDPFDQDDWAAWSKFTANVGIQIVGDDLTVTNPKRIERAVEEKACNCLLLK<br>VNQIGSV TEAIQACKLAQENGWGVMSHRSGETEDTFIADLVVGLCTGQIKTGAPC<br>RSERLAKYNQLMRIEEELGDE<br>ARFAGHNFRNPSVLTRTRPLEQKLISEEDLAANDILDYKDDDDKV |

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|                         |                                                                                                                                               |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining.                                                                                  |
| <b>Stability</b>        | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. |
| <b>Storage</b>          | Store at -80 centigrade.                                                                                                                      |
| <b>Concentration</b>    | >50 ug/mL as determined by microplate BCA method.                                                                                             |
| <b>Preparation</b>      | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.                              |
| <b>Protein Pathways</b> | Glycolysis / Gluconeogenesis, Metabolic pathways, RNA degradation                                                                             |
| <b>Full Length</b>      | Full L.                                                                                                                                       |

## GENE INFORMATION

|                        |                                         |
|------------------------|-----------------------------------------|
| <b>Gene Name</b>       | ENO2 enolase 2 [ Homo sapiens (human) ] |
| <b>Official Symbol</b> | ENO2                                    |
| <b>Synonyms</b>        | NSE; HEL-S-279                          |
| <b>Gene ID</b>         | 2026                                    |
| <b>mRNA Refseq</b>     | NM_001975.3                             |
| <b>Protein Refseq</b>  | NP_001966.1                             |
| <b>MIM</b>             | 131360                                  |

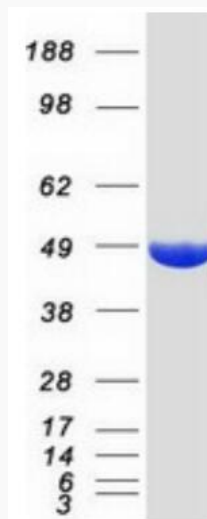
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UniProt ID

P09104



Coomassie blue staining of purified ENO2 protein.

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