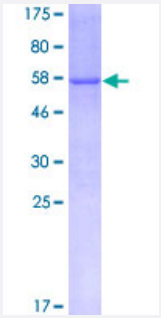
Full-Length

# NNT (Human) Recombinant Protein (P01)

Catalog # H00023530-P01 Size 25 ug, 10 ug

## Applications




## Specification

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|---|---|
| **Product Description** | Human NNT full-length ORF ( AAH32370, 1 a.a. - 207 a.a.) recombinant protein with GST-tag at N-terminal. |
| **Sequence** | MNRSLANVILGGYGTTSTAGGKPMEISGTHTEINLDNAIDMIREANSIIITPGYGLCAAKAQYPIADLVK MLTEQGKKVRFGIHPVAGRMPGQLNVLLAEAGVPYDIVLEMDEINHDFPDTDLVLVIGANDTVNSA AQEDPNSIIAGMPVLEVWKSKQVIVMKRSLGVGYAAVDNPIFYKPNTAMLLGDAKKTCDALQAKV RESYQK |
| **Host** | Wheat Germ (in vitro) |
| **Theoretical MW (kDa)** | 48.51 |
| **Preparation Method** | *in vitro* wheat germ expression system |
| **Purification** | Glutathione Sepharose 4 Fast Flow |
| **Quality Control Testing** | 12.5% SDS-PAGE Stained with Coomassie Blue. |
| **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. |
| **Note** | Best use within three months from the date of receipt of this protein. |

## Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

## Gene Info — NNT

| | |
|---|---|
| **Entrez GeneID** | 23530 |
| **GeneBank Accession#** | BC032370 |
| **Protein Accession#** | AAH32370 |
| **Gene Name** | NNT |
| **Gene Alias** | MGC126502, MGC126503 |
| **Gene Description** | nicotinamide nucleotide transhydrogenase |
| **Omim ID** | 607878 |
| **Gene Ontology** | Hyperlink |
| **Gene Summary** | This gene encodes an integral protein of the inner mitochondrial membrane. The enzyme couples hydride transfer between NAD(H) and NADP(+) to proton translocation across the inner mitochon drial membrane. Under most physiological conditions, the enzyme uses energy from the mitochon drial proton gradient to produce high concentrations of NADPH. The resulting NADPH is used for biosynthesis and in free radical detoxification. Two alternatively spliced variants, encoding the sa me protein, have been found for this gene. [provided by RefSeq |
| **Other Designations** | NAD(P) transhydrogenase\|OTTHUMP00000122433\|pyridine nucleotide transhydrogenase |

## Pathway

- Metabolic pathways
- Nicotinate and nicotinamide metabolism