

## Recombinant Human NUDT12, His-tagged

**Cat. No.** NUDT12-1401H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                       |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human NUDT12 protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.                                                             |
| <b>Species</b>          | Human                                                                                                                                                                 |
| <b>Source</b>           | E.coli                                                                                                                                                                |
| <b>ProteinLength</b>    | 1-377aa                                                                                                                                                               |
| <b>Storage</b>          | The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.                                                                             |
| <b>Storage Buffer</b>   | 1M PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH8. ) added with 300mM Imidazole and 0.7% Sarcosyl, 15% glycerol. |

### GENE INFORMATION

|                        |                                                                                                                                                                                                                                                 |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | NUDT12 nudix (nucleoside diphosphate linked moiety X)-type motif 12 [ Homo sapiens ]                                                                                                                                                            |
| <b>Official Symbol</b> | NUDT12                                                                                                                                                                                                                                          |
| <b>Synonyms</b>        | NUDT12; nudix (nucleoside diphosphate linked moiety X)-type motif 12; peroxisomal NADH pyrophosphatase NUDT12; DKFZP7611172; nucleoside diphosphate linked moiety X type motif 12; nudix motif 12; nucleoside diphosphate-linked moiety X motif |

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|                            |                                                                                                                                                                                                                                                                  |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                            | 12; nucleoside diphosphate linked moiety X-type motif 12; DKFZp761I172;                                                                                                                                                                                          |
| <b>Gene ID</b>             | 83594                                                                                                                                                                                                                                                            |
| <b>mRNA Refseq</b>         | NM_031438                                                                                                                                                                                                                                                        |
| <b>Protein Refseq</b>      | NP_113626                                                                                                                                                                                                                                                        |
| <b>MIM</b>                 | 609232                                                                                                                                                                                                                                                           |
| <b>UniProt ID</b>          | Q9BQG2                                                                                                                                                                                                                                                           |
| <b>Chromosome Location</b> | 5q15                                                                                                                                                                                                                                                             |
| <b>Pathway</b>             | NAD salvage pathway II, organism-specific biosystem; Nicotinate and nicotinamide metabolism, organism-specific biosystem; Nicotinate and nicotinamide metabolism, conserved biosystem; Peroxisome, organism-specific biosystem; Peroxisome, conserved biosystem; |
| <b>Function</b>            | NAD+ diphosphatase activity; NADH pyrophosphatase activity; hydrolase activity; metal ion binding;                                                                                                                                                               |