

## Recombinant Human CDYL Protein, GST-Tagged

**Cat. No.** CDYL-1087H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human CDYL full-length ORF (NP_736608.1, 1 a.a. - 309 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Source</b>           | Wheat Germ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Description</b>      | Chromodomain Y is a primate-specific Y-chromosomal gene family expressed exclusively in the testis and implicated in infertility. Although the Y-linked genes are testis-specific, this autosomal gene is ubiquitously expressed. The Y-linked genes arose by retrotransposition of an mRNA from this gene, followed by amplification of the retroposed gene. Proteins encoded by this gene superfamily possess a chromodomain, a motif implicated in chromatin binding and gene suppression, and a catalytic domain believed to be involved in histone acetylation. Multiple proteins are encoded by transcript variants of this gene. [provided by RefSeq, Jul 2008] |
| <b>Molecular Mass</b>   | 61 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>AA Sequence</b>      | MDALTANGTTNIQTSVTGVTASKRKFIDRRDQPFDKRLRFSVRQTESAYRYRDIV<br>RKQDGFTHILLSTKSSENNSLNPEVMREVQSALSTAAADDSKLVLLSAVGSVFCCGL<br>DFIYFIRRLTDDRKRESTKMAEAI RNFNFTFIQFKKPIIVAVNGPAIGLGASILPLCDVV<br>WANEKAWFQTPYTTFGQSPDGCSTVMFPKIMGGASANEMLLSGRKLTAQEACGKG<br>LVSQVFWPGTFTQEVMVRIKELASCNPVVLEESKALVRCNMKMELEQANERECEVL<br>KKIWGSAQGMDSMLKYLQRKIDEF                                                                                                                                                                                                                                                                                                                               |

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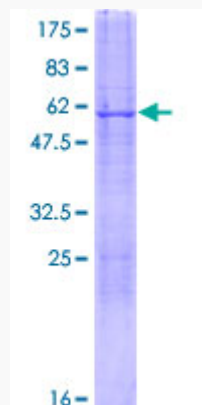
|                         |                                                                                                                                                                                                                                                                                                        |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Applications</b>     | Enzyme-linked Immunoabsorbent Assay<br>Western Blot (Recombinant protein)<br>Antibody Production<br>Protein Array                                                                                                                                                                                      |
| <b>Storage</b>          | Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.                                                                                                                                                                                                                               |
| <b>Storage Buffer</b>   | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.                                                                                                                                                                                                                               |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                                                                                                        |
| <b>Gene Name</b>        | CDYL chromodomain protein, Y-like [ Homo sapiens ]                                                                                                                                                                                                                                                     |
| <b>Official Symbol</b>  | CDYL                                                                                                                                                                                                                                                                                                   |
| <b>Synonyms</b>         | CDYL; chromodomain protein, Y-like; chromodomain protein, Y chromosome like;<br>chromodomain Y-like protein; CDY like; autosomal; CDYL1; DKFZP586C1622; testis<br>specific chromodomain Y like protein; CDY-like, autosomal; testis-specific<br>chromodomain Y-like protein; MGC131936; DKFZp586C1622; |
| <b>Gene ID</b>          | 9425                                                                                                                                                                                                                                                                                                   |
| <b>mRNA Refseq</b>      | NM_001143970                                                                                                                                                                                                                                                                                           |
| <b>Protein Refseq</b>   | NP_001137442                                                                                                                                                                                                                                                                                           |
| <b>MIM</b>              | 603778                                                                                                                                                                                                                                                                                                 |
| <b>UniProt ID</b>       | Q9Y232                                                                                                                                                                                                                                                                                                 |

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**Quality Control  
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

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