

# Recombinant Full Length Human CYS1 Protein, GST-tagged

**Cat. No.** CYS1-2487HF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human CYS1 full-length ORF ( AAI48589.1, 1 a.a. - 158 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                    |
| <b>Species</b>          | Human                                                                                                                                                                                                                                          |
| <b>Source</b>           | In Vitro Cell Free System                                                                                                                                                                                                                      |
| <b>ProteinLength</b>    | 158 amino acids                                                                                                                                                                                                                                |
| <b>Description</b>      | CYS1 (Cystin 1) is a Protein Coding gene. Diseases associated with CYS1 include Astereognosia and Yellow Nail Syndrome. Among its related pathways are Cargo trafficking to the periciliary membrane and Organelle biogenesis and maintenance. |
| <b>Molecular Mass</b>   | 43.78 kDa                                                                                                                                                                                                                                      |
| <b>AA Sequence</b>      | MSGSSRSRTLRRRRSPESLPAGPGAAALEGGTRRRVPVAAA EVPGAAEEAPG<br>RDPSPVAPPDGRDETLRLLDELLAESAAWGPPEPAPRRPARLRPTAVAGSAVCAEQ<br>STEGHPGSGNVSEAPGSGRKKPERPAAISYDHSEEGLMASIEREYCR                                                                           |
| <b>Applications</b>     | Enzyme-linked Immunoabsorbent Assay<br>Western Blot (Recombinant protein)<br>Antibody Production<br>Protein Array                                                                                                                              |
| <b>Notes</b>            | Best use within three months from the date of receipt of this protein.                                                                                                                                                                         |

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| <b>Storage</b> | Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing. |
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| <b>Storage Buffer</b> | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer. |
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## GENE INFORMATION

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| <b>Gene Name</b> | CYS1 cystin 1 [ Homo sapiens (human) ] |
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|------------------------|------|
| <b>Official Symbol</b> | CYS1 |
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| <b>Synonyms</b> | cystin-1; cilia-associated protein; CYS1 |
|-----------------|------------------------------------------|

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| <b>Gene ID</b> | 192668 |
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| <b>mRNA Refseq</b> | NM_001037160.2 |
|--------------------|----------------|

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|-----------------------|----------------|
| <b>Protein Refseq</b> | NP_001032237.1 |
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|            |        |
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| <b>MIM</b> | 618713 |
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| <b>UniProt ID</b> | Q717R9 |
|-------------------|--------|

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