

# Recombinant Human CHRD, GST-tagged

**Cat. No.** CHRD-11201H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human CHRD protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>ProteinLength</b>    | C-term-350a.a.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Description</b>      | This gene encodes a secreted protein that dorsalizes early vertebrate embryonic tissues by binding to ventralizing TGF-beta-like bone morphogenetic proteins and sequestering them in latent complexes. The encoded protein may also have roles in organogenesis and during adulthood. Multiple transcript variants encoding distinct isoforms have been identified for this gene. Other alternative splice variants have been described but their full length sequence has not been determined. |
| <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 100mM GSH and 1% Triton X-100, 15% glycerol.                                                                                                                                                                                                                                                                                                                                |

## GENE INFORMATION

|                  |                               |
|------------------|-------------------------------|
| <b>Gene Name</b> | CHRD chordin [ Homo sapiens ] |
|------------------|-------------------------------|

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

|                            |                                                                                                                                                                |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Official Symbol</b>     | CHRD                                                                                                                                                           |
| <b>Synonyms</b>            | CHRD; chordin; MGC133038;                                                                                                                                      |
| <b>Gene ID</b>             | 8646                                                                                                                                                           |
| <b>mRNA Refseq</b>         | NM_003741                                                                                                                                                      |
| <b>Protein Refseq</b>      | NP_003732                                                                                                                                                      |
| <b>MIM</b>                 | 603475                                                                                                                                                         |
| <b>UniProt ID</b>          | Q9H2X0                                                                                                                                                         |
| <b>Chromosome Location</b> | 3q27                                                                                                                                                           |
| <b>Pathway</b>             | BMP receptor signaling, organism-specific biosystem; TGF-beta signaling pathway, organism-specific biosystem; TGF-beta signaling pathway, conserved biosystem; |
| <b>Function</b>            | cytokine binding; heparin binding; protein binding; syndecan binding;                                                                                          |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA