

Recombinant Human CHRDL Protein

For Research Use Only

1. Basic Product Information

Catalog No.: REP50180

Size: 10ug, 100ug

Protein Name: Chordin

Synonym: CHRDL, UNQ217/PRO243

UniProt ID: Q9H2X0

UniProt Link: www.uniprot.org/uniprotkb/Q9H2X0/entry

Species Source: Human

Expression System: HEK293T eukaryotic cell expression system Sequence

Length: 955 AA

Molecular Weight: 102 KD

Protein Tag: C-terminal His6

2. Amino Acid Sequence

MPSLPAPPAPLLLLGLLLLGSRPARGAGPEPPVLPPIRSEKEPLPVRGAAGCTFGGKVYALDETWHPD
LGEPFGVMRCVLCACEAPQWGRRTGPGRVSCKNIKPECPTPACGQPRQLPGHCCQTCQERS
SERQPSGLSFEYPRDPEHRSYSDRGEPGAEERARGDGHTDFVALLTGPRSQAVARARVSLLRSSL
RFSISYRRLDRPTRIRFSDSNGSVLFEHPAAPTQDGLVCGVWRAVPRLSLRLRAEQLHVALVTLTH
PSGEVWGPIRHRALAAETFSAILTLEGPPQQGVGGITLLTSDTEDSLHFLLLFRGLLEPRSGGLTQ
VPLRLQILHQGQLLRELQANVSAQEPGFAEVLPLNTVQEMDWLVLGELQMALEWAGRPGLRISGHIA
ARKSCDVLQSVLCGADALIPVQTGAAGSASLTLLGNGSLIYQVQVVGTSSEVVAMTLETKPQRDQR
TVLCHMAGLQPGGHTAVGICPLGARGAHMLLQNELFLNVGTDKDFPDGELRGHVAALPYCGHSAR
HDTLPVPLAGALVLPVKSQAAGHAWLSLDTHCHLHYEVLLAGLGGEQGTVTAHLLGPPGTPGPR
RLKGFYGGSEAQGVVKDLEPELLRHLAKGMASLMITTKGSPRGELRGQVHIANQCEVGGLRLEAAG
AEGVRALGAPDTASAAPPVVPGLPALAPAKPGGPGRPRDPNTCFEQQQRPHGARWAPNYDPLCS
LCTCQRRTVICDPVCPPPSCPHVQAPDQCCPVCPEKQDVRDLPLPRSRDPGEGCYFDGDRS
WRAAGTRWHPVPPFGLIKCAVCTCKGGTGEVHCEKVQCPRLACAQPVVNPTDCCKQCPVGS
G AHPQLGDPMQADGPRGCRFAGQWFPESSQSWHPSVPPFGEMSCITCRGAGVPHCERDDCSLPLS
CGSGKESRCCSRCTAHRPAPETRTPDPELEKEAEGS

3. Buffer Composition

Liquid format: PBS-based buffer containing 50% glycerol. Glycerol concentration can be customized upon customer request; please state special requirements when placing your order.

Lyophilized format: Buffer before lyophilization is PBS supplemented with 6% trehalose.

4. Storage Conditions

Upon receipt, store the product at -20 °C or -80 °C. Aliquot the product for on-demand use to preserve protein activity and prevent denaturation and inactivation caused by repeated freeze-thaw cycles.

5. Product Description

This product is recombinant Chordin produced using the HEK293T eukaryotic cell expression system. It is suitable for in-vitro functional assays, protein-protein interaction studies, antibody preparation and other biomedical research applications.

Protein Function: Dorsalizing factor. Key developmental protein that dorsalizes early vertebrate embryonic tissues by binding to ventralizing TGF-beta family bone morphogenetic proteins (BMPs) and sequestering them in latent complexes (By similarity).

Subcellular Localization: Secreted .

6. Notes

- Avoid repeated freeze-thaw cycles to maintain protein stability and biological activity.
- Please specify special buffer-composition requirements at the time of order placement.
- For research use only. Not intended for clinical diagnosis, therapeutic use or commercial manufacturing.