

Recombinant Mouse CHRDL1 Protein (23-447 aa), His-Myc-tagged

Cat. No. CHRDL1-2749M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse CHRDL1 Protein (23-447 aa) is produced by Baculovirus expression system. This protein is fused with a 10xHis tag at the N-terminal and a Myc tag at the C-terminal. Research Area: Neuroscience. Protein Description: Full Length of Mature Protein.
Species	Mouse
Source	Insect Cells
ProteinLength	23-447 aa
Description	Seems to antagonize the function of BMP4 by binding to it and preventing its interaction with receptors. Alters the fate commitment of neural stem cells from gliogenesis to neurogenesis. Contributes to neuronal differentiation of neural stem cells in the brain by preventing the adoption of a glial fate. May play a crucial role in dorsoventral axis formation. Antagonizes the function of BMP7 and may thus play an important role in the embryonic bone formation. Shows no inhibitory effect on the inducing activity of BMP2. Plays a role during anterior segment eye development.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	52.2 kDa
AA Sequence	EQVKHSDTYCVFQDKKYRVGEKWHPYLEPYGLVYCVNCICSENGNVLCSSRVRCPS

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LHCLSPVHIPHLCCPRCPDSLPPVNNKVTSKSCEYNGTTYQHGEGLFQNRQP
 NQCSQCSCSEGNVYCGLKTCPKLTCAFPVSVPDSCCRVCRGDAELSWEHADGDIF
 RQPANREARHSYLRSYDPPPNRQAGGLPRFPGSRSHRGAVIDSQQASGTIVQIVI
 NNNKHKGQVCVSNKTYSHGESWHPNLRAGFIVECVLCTCNVTKQECKKIHCNPR
 YPCKYPQKIDGKCKVCPEEPPSQNFDSKGSFCGEETMPVYESVFMEDGETTRKV
 ALETERPPQVEVHVWTIQGILQHFHIEKISKRMFGELHHFKLVTRTTLNQWKLFTG
 EAQLSQMCSSQVCRTLEDLVQVLYLGRPEKDHC

Purity > 85% as determined by SDS-PAGE.

Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

Storage The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

Concentration A hardcopy of COA will be sent along with the products. Please refer to it for detailed information.

GENE INFORMATION

Gene Name [Chrdl1 chordin-like 1 \[Mus musculus \]](#)

Official Symbol [CHRD1](#)

Synonyms CHRD1; chordin-like 1; neuralin-1; neurogenesin-1; ventroptin-beta; ventroptin-alpha; CHL; CHL1; VOPT; Nrln1;

Gene ID [83453](#)

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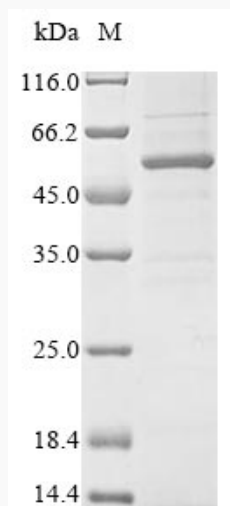
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mRNA Refseq [NM_001114385](#)

Protein Refseq [NP_001107857](#)

UniProt ID [Q920C1](#)



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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