

CHRDL1 Protein, Mouse, Recombinant (His & Myc)

General Information

Synonyms: Chordin-like protein 1; Chrdl1; Ng1; Nrln1; Neuralin-1; Neurogenesis-1; Ventroptin

Protein Construction: 23-447 aa

Species: Mouse

Expression Host: Baculovirus Insect Cells

Accession: Q920C1

Molecular Weight: 52.2 kDa (predicted)

AA Sequence: EQVKHSDTYCVFQDKKYRVGEKWHPYLEPYGLVYCVNCICSENGNVLC SRVRCPSLHCLSPVHIPHLCCPRCP
DSLPPVNNKVTSKSCYEYNGTTYQH GELFIAEGLFQNRQPNQCSQCSCSEGNVYCGLKTCPKLTCAFPVSV PDS
CCRVCRGDAELSWEHADGDIFRQ PANREARHSYLRSYPDPPPNRQAGGLPRFPGSRSHRGAVIDSQQASGT
IVQIVINNKHKHGQVCVSNKTYSHGESWHPNLRAFGIVECVLCTCNVTKQECKKIHC PNRYPCYPQKIDGK
CCKVCPEEPPSQNFDSKGSFCGEETMPVYESVFMEDGETTRKVALETERPPQVEVHVWVTIQKILQHFHIEKIS
KRMFGELHHFKLVTRTTLNQWKL FTEGEAQLSQMCSSQVCRTELEDLVQVLYLGRPEKDHC

QC Testing

Biological Activity: Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.

Purity: > 85% as determined by SDS-PAGE.

Endotoxin: < 1.0 EU/μg of the protein as determined by the LAL method.

Formulation: Tris-based buffer, 50% glycerol

Preparation and Storage

Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months.

Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

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

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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.

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