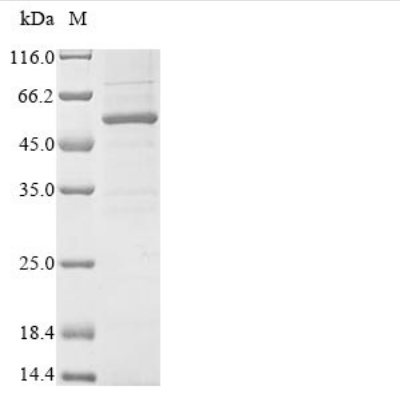
Recombinant Mouse Chordin-like protein 1 (Chrdl1)

Product Code	CSB-BP842075MO
Relevance	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
Abbreviation	Recombinant Mouse Chrdl1 protein
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°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q920C1
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	Greater than 85% as determined by SDS-PAGE.
Sequence	EQVKHSDTYCVFQDKKYRVGEKWHPYLEPYGLVYCVNCICSENGNVLCSRVR CPSLHCLSPVHIPHLCCPRCPDSLPPVNNKVTSKSCEYNGTTYQHGELFIAEG LFQNRQPNQCSQCSCSEGNVYCGLKTCPKLTCAFPVSVPDSCCRVCRGDAE LSWEHADGDIFRQPANREARHSYLRSPYDPPPNRQAGGLPRFPGSRSHRGA VIDSQQASGTIVQIVINNKHKHGQVCVSNGKTYSHGESWHPNLRAFGIVECVL CTCNVTKQECKKIHCPNRYPCKYPQKIDGKCCKVCPEEPPSQNFDSKGSFCG EETMPVYESVFMEDGETTRKVALETERPPQVEVHVWTIQKGILQHFHIEKISKR MFGELHHFKLVTRTTLNQWKLFTEGEAQLSQMCSSQVCRTELEDLVQVLYLG RPEKDHC
Research Area	Neuroscience
Source	Baculovirus
Target Names	Chrdl1
Protein Names	Neuralin-1 Neurogenesin-1 Ventroptin Ng1, Nrln1
Expression Region	23-447aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 10xHis-tagged and C-terminal Myc-tagged
Mol. Weight	52.2 kDa

Protein Length	Full Length of Mature Protein
Image	 (Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL.We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
Shelf Life	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°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.