

Human CHRDL1 Protein

Cat. No. CDL-HE101

Description

Source	Recombinant Human CHRDL1 Protein is expressed from E.coli with His tag at the N-Terminus. It contains Glu28-Cys456.
Accession	Q9BU40-1
Molecular Weight	The protein has a predicted MW of 50 kDa same as Tris-Bis PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 90% as determined by Tris-Bis PAGE

Formulation and Storage

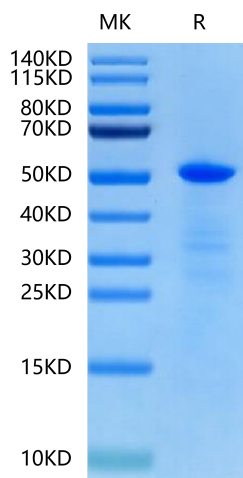
Formulation	Lyophilized from 0.22µm filtered solution in 4mM HCl. Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in 4mM HCl.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -20 to -80°C for 3-6 months in unopened state after reconstitution. 2-8°C for 2-7 days after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

CHRDL1 (Chordin-like 1) is a secreted protein that acts as an antagonist of bone morphogenetic protein (BMP). BMP plays a role as an activator of BMP receptor II (BMPRII), which mediates extracellular to intracellular signal transmission and is involved in carcinogenesis and metastasis. The hypermethylation of the CHRDL1 promoter in gastric cancer, which induced low expression of CHRDL1 and decreased its secretion to the supernatant.

Assay Data

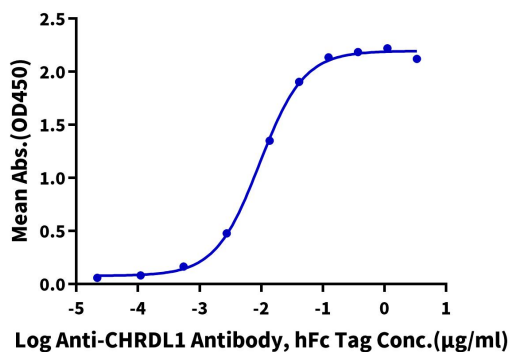
Tris-Bis PAGE



Human CHRDL1 on Tris-Bis PAGE under reduced condition. The purity is greater than 90%.

ELISA Data

Human CHRDL1, His Tag ELISA
0.1µg Human CHRDL1, His Tag Per Well



Immobilized Human CHRDL1, His Tag at 1µg/ml (100µl/Well) on the plate. Dose response curve for Anti-CHRDL1 Antibody, hFc Tag with the EC50 of 9.4ng/ml determined by ELISA.