

CHODL Protein, Rat (HEK293, His)

Cat. No.:	HY-P76822
Synonyms:	Chondrolectin; Chodl; C21orf68
Species:	Rat
Source:	HEK293
Accession:	D3ZI86 (R22-N216)
Gene ID:	288289
Molecular Weight:	Approximately 30 kDa due to the glycosylation.

PROPERTIES

AA Sequence	<pre> RRV VSGQKVC FADV KHPCYK MAYFHELSSR VSFQEARLAC ES EGGVLLSL ENEAEQKLE SMLQNLTKPG TGISDGD FWI GL LRS GDGQT SGACPDLYQW SDGSSSQFRN WYTDEPSCGS EK CVVMYHQP TANPGLGGPY LYQWDDRCN MKHNYICKYE PE IHPTPEVE KPYLTNQPED THENVVVTEA GIIPN </pre>
Biological Activity	Measured by its binding ability in a functional ELISA. When Recombinant Rat Chondrolectin Protein is immobilized at 1µg/mL (100 µL/well) can bind Recombinant Human IGFBP-5. The ED ₅₀ for this effect is 9.923 ng/mL.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	CHODL protein appears to be a significant contributor to the intricate processes underlying nervous system development, particularly in the realms of neurite outgrowth and elongation. Evidence suggests its potential involvement in guiding motor axon growth, emphasizing its role in shaping the structural framework of the nervous system. Through interactions with proteins like RABGGTB, CHODL likely engages in intricate molecular mechanisms that influence axon development and
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navigation. The comprehensive understanding of CHODL's functions, especially its impact on neurite dynamics and motor axon guidance, holds promise for unraveling key aspects of neural development and may contribute to insights into therapeutic strategies targeting nervous system disorders.

Caution: Product has not been fully validated for medical applications. For research use only.

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