

CDCP1 Protein, Mouse, Recombinant (Active, His)

General Information

Synonyms:	Membrane glycoprotein gp140;CUB domain-containing protein 1;Transmembrane and associated with src kinases;CD318;Cdcp1
Protein Construction:	30-666 aa
Species:	Mouse
Expression Host:	HEK293 Cells
Accession:	Q5U462
Molecular Weight:	73.2 kDa (Predicted)
AA Sequence:	SEIALPQRSGVTVSIKLGPNALPVKICYIVMSRQHITELIIRPGERKSFTFSCSNPEKHFVLKIEKNIDCMGSPCPF GEVHLQPSTSELPILNRTFIWDVRAHKSIGLELQFATPRLRQIGPGESCADGVTHSISGHIDATEVRIGTFCSNGT VSRIKMQEGVKMALHLPWFHRRNVSGFSIANRSSIKRLCIIESVFEGEGSATLMSANYPGGFPEDELMTWQFV VPAHLRASVSFLNFVNSNCERKEERVEYYPGSTTNPEVFRLEDKQPGNMAGNFNLSLQGCDDAQSPGILR LQFQVLVQRQPQDESNKTYMVDLSRERTMSLTIEPRPVKHGRRFVPGFCVLESRTCSTNVTLTAGSIHKISFLC DDLTRLWVNVEKTLSCLDHRYCYRQSFKLQVPDYILQLPVQLHDFSWKLLVPKDKLSLMLVPGQKLQHTQE RPCNTSFGYHVTSTTPGQDLYFGSFCSGGSIEKIQVKQNSSVTLRAYAPSFQQEVSKQGLIVSYTPYFKEEGIFT VTPDTKNKVYLRSPNWRGLPALSSVSWNISVPSNQVACLTVLKERGLACQSGRAFMIIEQQSRAEEIFSL EEEVLPKPSFHHSFWVNISNCSMPMNGKQLDLLFWVTLTPRTVDL

QC Testing

Biological Activity:	Measured by its binding ability in a functional ELISA. Immobilized Mouse Cdcp1 at 2 µg/mL can bind Anti-CDCP1 recombinant antibody (CSB-RA884474MA1HU), the EC50 is 0.6397-0.8369 ng/mL.
Purity:	>95% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/µg of the protein as determined by the LAL method.
Formulation:	Lyophilized from a 0.2 µm filtered 20 mM Tris-HCl, 0.5 M NaCl, 6% Trehalose, pH 8.0

Preparation and Storage

Reconstitution:

Reconstitute the lyophilized protein in sterile deionized water. The product concentration should not be less than 100 µg/ml. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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