

# Recombinant Human CDO/CDON Protein (His Tag)

Catalog Number:PKSH033720



**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

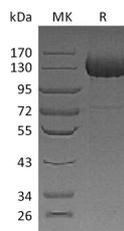
## Description

<b>Synonyms</b>	Cell adhesion molecule-related/down-regulated by oncogenes;CDON;CDO
<b>Species</b>	Human
<b>Expression Host</b>	HEK293 Cells
<b>Sequence</b>	Asp26-Pro943
<b>Accession</b>	Q4KMG0
<b>Calculated Molecular Weight</b>	100.4 kDa
<b>Observed molecular weight</b>	120-135 kDa
<b>Tag</b>	C-His

## Properties

<b>Purity</b>	> 85 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Storage</b>	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
<b>Shipping</b>	This product is provided as lyophilized powder which is shipped with ice packs.
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
<b>Reconstitution</b>	Please refer to the printed manual for detailed information.

## Data



> 85 % as determined by reducing SDS-PAGE.

## Background

CDO (CAMrelated/down-regulatedby oncogenes) is a member of the Immunoglobulin (Ig) superfamily, Ig/Fibronectin (FN)type III repeat family of cell surface proteins. Human CDO is a type I transmembrane (TM) glycoprotein. It is synthesized as a 1287 amino acid (aa) precursorthat contains a 25 aa signal sequence, a 938 aa extracellular domain (ECD), a 21 aa TM segment and a 303 aa cytoplasmic region. The ECD contains five C2-typeIglkedomains, followed by three FN type III repeats. The ECD of human CDO is 85% aa identical to mouse CDO ECD.CDO is found on muscle precursor and neural progenitor cells of the embryo. It likely promotes muscle differentiation, and contributes to axon guidance andneuronal patterning.

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