Recombinant Human CDO/CDON Protein (His Tag)

Catalog Number: PKSH033720

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

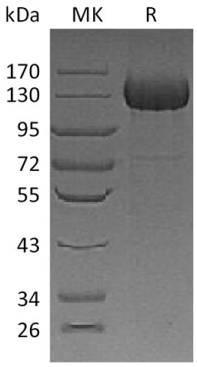
Description

Species	Human
Source	HEK293 Cells-derived Human CDO;CDON protein Asp26-Pro943, with an C-terminal His
Calculated MW	100.4 kDa
Observed MW	120-135 kDa
Accession	Q4KMG0
Bio-activity	Not validated for activity

Properties

Purity	> 85 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80 ℃. Reconstituted protein solution can be stored at 4-8℃ for 2-7 days. Aliquots of reconstituted samples are stable at < -20℃ for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	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 Immunoglubulin (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 (EC D), a 21 aa TM segment and a 303 aa cytoplasmic region. The ECD contains five C2-typeIglikedomains, 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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