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Elabscience Biotechnology Inc.

Elabscience®

Recombinant Human CDO/CDON Protein (His Tag)

Catalog No. PKSH033720

Description

Synonyms	Cell adhesion molecule-related/down-regulated by oncogenes; CDON; CDO
Species	Human
Expression_host	Human Cells
Sequence	Asp26-Pro943
Accession	Q4KMG0
Mol_Mass	100.4 kDa
AP_Mol_Mass	120-135 kDa
Tag	C-His

Properties

Purity	> 85 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per μg 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, pH7.4.
Reconstitution	Please refer to the printed manual for detailed information.

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 (ECD), 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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