

Product datasheet for **TP727794**

CDON Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human CDO (C-6His)
Species:	Human
Expression cDNA Clone or AA Sequence:	Asp26-Pro943
Tag:	C-His
Buffer:	Lyophilized from a 0.2 um filtered solution of PBS, pH 7.4.
Note:	Recombinant Human Cell Adhesion Molecule-related/down-regulated by Oncogenes is produced by our Mammalian expression system and the target gene encoding Asp26-Pro943 is expressed with a 6His tag at the C-terminus.
Storage:	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Stability:	12 months from date of despatch
Locus ID:	50937
UniProt ID:	Q4KMG0
Synonyms:	Cell adhesion molecule-related/down-regulated by oncogenes; CDON; CDO
Summary:	CDO (CAMrelated/down-regulated by 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) precursor that 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-type Iglike domains, 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 and neuronal patterning.
Protein Families:	Transmembrane



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