

CD100 Human Recombinant HEK

Item Number	rAP-0077
Synonyms	Thesemaphorin family containing 1 Ig-like C2-type domain, 1 PSI domain and 1 Sema domai,Semaphorin-4D, A8, BB18, GR3, SEMA4D, C9orf164, CD100, SEMAJ.
Description	CD100 Human Recombinant produced by mammalian expression system in human cells is a single polypeptide chain containing 721 amino acids (22-734). CD100 is fused to an 8 amino acid His-tag at C-terminus & purified by proprietary chromatographic techniques.
Uniprot Accession Number	Q92854
Amino Acid Sequence	MAFAIPRITWEHREVHLVQFHEPDIYNYSALLLSEDKDTLYIGAREAVFAVNAL- NISEKQHEVYWKVSEDKKAKCAEKGKSKQTECLNYIRVLQPLSATSLYVCGTNAFQPACDHLNLTsfkFLG KNEDGKGRCPFDPAHSYTSVMVDGELYSGTSYNFLGSEPIISRNSSSHsPLRTEYAIPWLNepsfVFADVIRK SPDSPDGEDDRVYFFFTEVSVYEYEFVFRVLIPRIARVCKGDQGGRLTLQKKWTSFLKARLICSRPDSGLVFN VLRDVFVLRSPGLKVPVFYALFTPQLNNVGLSAVCAYNLSTAEVFSHGKYMqSTTVEQSHTKWVRYNGP
Source	HEK293 cells.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized CD100 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution CD100 should be stored at 4°C between 2-7 days and for future use below -18°C. Please prevent freeze-thaw cycles.
Formulation and Purity	CD100 was lyophilized from a 0.2 µM filtered solution of 20mM PB and 150mM NaCl, PH 7.4. Greater than 95% as determined by SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the lyophilized CCD100 in 1xPBS to a concentration no less than 100 µg/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**