

4-1BB Ligand Human Recombinant

Item Number	rAP-0276
Synonyms	CD137L, CD137-L, 4-1BBL, 4-1BB Ligand, TNFSF9, Tumor Necrosis Factor (ligand) Superfamily Member 9.
Description	4 1BBL Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 184 amino acids and having a molecular mass of 19.5kDa. The 4 1BBL is purified by proprietary chromatographic techniques.
Uniprot Accession Number	P41273
Amino Acid Sequence	REGPELSPDD PAGLLDLRQG MFAQLV AQNV LLIDGPLSWY SDPGLAGVSL TGGLSYKEDT KELVVAK-AGV YYVFFQLELR RVVAGEGSGS VSLALHLQPL RSAAGAAALA LTVDLPPASS EARNSAFGFQ GRLLHLSAGQ RLGVHLHTEA RARHAWQLTQ GATVLGLFRV TPEIPAGLPS PRSE
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized 4 1BBL although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution 4 1BBL 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	Lyophilized from a 0.2µm filtered concentrated solution in PBS, pH 7.4. Greater than 95.0% as determined by SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the lyophilized 4 1BBL in sterile 18M-cm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	Fully biologically active when compared to standard. Determined by the dose-dependent stimulation of IL-8 production by human PBMC. The ED50 for this effect is 5-10ng/ml corresponding to a Specific Activity of 100,000-200,000IU/mg.
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**