

Recombinant Human CD47 protein, T7/His-tagged

Cat. No. CD47-90H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human CD47, which carry single Ig-like V type domain cDNA (19 – 127 aa, derived from BC012884) fused with T7-His-TEV cleavage site Tag (29aa) at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	19-127 a.a.
Form	0.5 mg/ml, sterile-filtered, in 20 mM pH 8.0 Tris-HCl Buffer, with proprietary formulation of NaCl, KCl, EDTA, arginine, DTT and Glycerol.
AA Sequence	MASMTGGGQMGRGHHHHHHENLYFQGGEFQLLFNKTKSVEFTFCNDTVVIPCFVT NMEAQNTTEVYVKWKFKGRD IYTFDGA LNKSTVPTDFSSAKIEVSQLLKGDASLKM DKSDAVSHTGNYTCEVTELTREGETII
Purity	>90% by SDS-PAGE
Applications	1. May be used for in vitro non-glycosylated CD47 longest extracellular domain protein mediated "don't eat me" signal regulation study for cancer cell migration, T cell activation et al. with this protein as either coating matrix protein or soluble factor. 2. May be used as CD47 protein-protein interaction assay. 3. As enzymatic substrate for various proteases. 4. As potential cancer diagnostic biomarker protein. 5. As antigen for specific antibody production.

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Storage

Keep at -80centigrade for long term storage. Product is stable at 4 centigrade for at least 30 days.

GENE INFORMATION

Gene Name [CD47 CD47 molecule \[Homo sapiens \]](#)

Official Symbol [CD47](#)

Synonyms

CD47; CD47 molecule; CD47 antigen (Rh related antigen, integrin associated signal transducer) , MER6; leukocyte surface antigen CD47; antigen identified by monoclonal 1D8; antigenic surface determinant protein OA3; CD47 glycoprotein; IAP; integrin assoc

Gene ID [961](#)

mRNA Refseq [NM_001777](#)

Protein Refseq [NP_001768](#)

MIM [601028](#)

UniProt ID [Q08722](#)

Chromosome Location 3q13.1-q13.2

Pathway

Cell surface interactions at the vascular wall, organism-specific biosystem; Cell-Cell communication, organism-specific biosystem; ECM-receptor interaction, organism-specific biosystem; ECM-receptor interaction, conserved biosystem; Hemostasis, organism-specific biosystem

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Function

protein binding; thrombospondin receptor activity;

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