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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

CD97 (Human) Recombinant Protein (P02)

Catalog Number: H00000976-P02

Regulation Status: For research use only (RUO)

Product Description: Human CD97 full-length ORF (NP_001775.2, 1 a.a. - 742 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

MGGRVFLAFCVWLTLPGAETQDSRGCARWCPQNSS
CVNATACRCNPGFSSFSEIITPTETCDDINECATPSKV
SCGKFSDCWNTEGSYDCVCSPGYEPVSGAKTFKNES
ENTCQDVDECSSGQHQCDSSTVCFNTVGSYSRCRCP
GWKPRHGIPNNQKDTVCEDMTFSTWTPPPGVHSQTL
SRFFDKVQDLGRDSKTSSAEVTIQNVIKLVDELMEAPG
DVEALAPPVRHLIATQLLSNLEDIMRILAKSLPKGPFYI
SPSNTLTLMIQERGDKNVTMGQSSARMKLNWAVAA
GAEDPGPAVAGILSIQNMTLLANASLNHLSKKQAELE
EIESSIRGVQLRRLSAVNSIFLSHNNTKELNSPILFAFS
HLESSDGEAGRDPKDVMPGPRQELLCAFWKSDSD
RGGHWATEGCQVLGSKNGSTTCQCSHLSSFAILMAH
YDVEDWKLTLITRVGLALSFLCILLCILTFLVLRPIQGSR
TTIHLHLCICLVFGSTIFLAGIENEGGQVGLRCRLVAGLL
HYCFLAAFCWMSLEGLYFLVVRVFQQGLSTRWL
CLIGYGVPLLVGVSAIYSKGYGRPRYCWLD FEQGFL
WSFLGPVTFIILCNAVIFVTTVWKLTKQFSEINPDMKKL
KKARALTITAIAQLFLLGCTWVFGFLFIFDDRSLVLTIVFT
ILNCLQGAFLLYLLHCLLNKRVREYRKWACL VAGGSKY
SEFTSTTSGTGHNQTRALRASESGI

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 108.1

Interspecies Antigen Sequence: Mouse (53); Rat (52)

Applications: AP, Array, ELISA, WB-Re

(See our web site product page for detailed applications information)

Protocols: See our web site at

<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Preparation Method: [in vitro wheat germ expression system](#)

Purification: Glutathione Sepharose 4 Fast Flow

Storage Buffer: 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction: Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 976

Gene Symbol: CD97

Gene Alias: TM7LN1

Gene Summary: This gene is a member of the EGF-TM7 family of class II seven-span transmembrane (7-TM) molecules, likely encoded by a gene cluster on the short arm of chromosome 19. The encoded product is a glycoprotein that is present on the surface of most activated leukocytes and spans the membrane seven times, which is a defining feature of G protein-coupled receptors. The protein has an extended extracellular region with several N-terminal epidermal growth factor (EGF)-like domains, which mediate binding to its cellular ligand, decay accelerating factor (DAF, CD55), a regulatory protein of the complement cascade. The presence of structural features characteristic of extracellular matrix proteins and transmembrane proteins suggests that this protein is a receptor involved in both cell adhesion and signaling processes early after leukocyte activation. Alternative splicing has been observed for this gene and three variants have been found. [provided by RefSeq]