

**CD37, 112-241 aa Human, His tag, E.coli**

**Cat.NO.: TP01507**

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3th Edition

**Synonyms:**Leukocyte antigen CD37, GP52-40, TSPAN26

**Description:**CD37 is a member of the transmembrane 4 superfamily, also known as the tetraspanin family. Most of these members are cell-surface proteins that are characterized by the presence of four hydrophobic domains. The proteins mediate signal transduction events that play a role in the regulation of cell development, activation, growth and motility. This protein is a cell surface glycoprotein that is known to complex with integrins and other transmembrane 4 superfamily proteins. It may play a role in T-cell-B-cell interactions. Alternate splicing results in multiple transcript variants encoding different isoforms. Recombinant human CD37 protein, fused to His-tag at N-terminus, was expressed in E.coli.

**Form:**Liquid. In Phosphate buffer saline(pH 7.4) containing 10% glycerol

**Molecular Weight:**17.4 kDa (154aa)

**Sequences:**

MGSSHHHHHSSGLVPRGSHMGSQRAQLERSLRDVVEKTIQKYGTNPEETAEEESWDYVQFQLRCCGWHYPQD  
WFQVLILRGNGSEAHRVPCSCYNLSATNDSTILDKVILPQLSRLGHLARSRHSADICAVPAESHIYREGCAQGLQKW  
LHNN

**Purity:**> 95% by HPLC

**Concentration:**1mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.