

**Recombinant Human VCL / Vinculin Protein (His tag)**

**Cat.NO.: TP06439**

3th Edition

**Synonyms:**CMD1W;CMH15;HEL114;MV;MVCL

**Description:**Vinculin (VCL) is a cytoskeletal protein that is closely related to both cell-matrix interactions and cell-cell junctions. VCL is a membrane-cytoskeletal protein in focal adhesion plaques that is involved in linkage of integrin adhesion molecules to the actin cytoskeleton. The protein contains an acidic N-terminal domain and a basic C-terminal domain separated by a proline-rich middle segment. This protein has multi-ligand properties and has been found to interact with a number of microfilament associated proteins, such as talin,  $\alpha$ -actinin, and paxillin, which reportedly bind to either the head or tail domains of vinculin.

**Form:**PBS

**Molecular Weight:**118 kDa

**Sequences:**Met 1-Gln 1066

**Purity:**> 95% by HPLC

**Concentration:**

**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.