



Recombinant Protein Technical Manual
Recombinant Human VCL/Vinculin Protein (His Tag)
RPES0662

Product Data:

Product SKU: RPES0662

Size: 20µg

Species: Human

Expression host: HEK293 Cells

Uniprot: P18206-2

Protein Information:

Molecular Mass: 118 kDa

AP Molecular Mass: 115 kDa

Tag: C-His

Bio-activity:

Purity: > 90 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Formulation: Lyophilized from sterile PBS, pH 7.4

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Vinculin; Metavinculin; VCL;CMD1W;CMH15;HEL114;MV;MVCL

Immunogen Information:

Sequence: Met 1-Gln 1066

Background:

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, α -actinin, and paxillin, which reportedly bind to either the head or tail domains of vinculin.