

**Recombinant Human Lymphocyte Cytosolic Protein 2/LCP2 Protein(C-6His, N-T7 tag)**

**Cat.NO.: TP06085**

3th Edition

**Synonyms:**Lymphocyte cytosolic protein 2;SH2 domain-containing leukocyte protein of 76 kDa;SLP-76 tyrosine phosphoprotein;SLP76;LCP2

**Description:**Lymphocyte cytosolic protein 2?LCP2?contains a SAM domain and a SH2 domain. It is highly expressed in spleen, thymus and peripheral blood leukocytes, T-cell and monocytic cell lines, but expressed at lower level in B-cell lines. LCP2 was originally identified as a substrate of the ZAP-70 protein tyrosine kinase following T cell receptor (TCR) ligation in the leukemic T cell line Jurkat. It is phosphorylated after T-cell receptor activation by ZAP70, ITK and TXK, which leads to the up-regulation of Th1 preferred cytokine IL-2 during post-translational modification. Studies using LCP2-deficient T cell lines or mice have provided strong evidence that SLP-76 plays a positive role in promoting T cell development and activation as well as mast cell and platelet function.

**Form:**PBS

**Molecular Weight:**62.6 kDa

**Sequences:**Met 1-Pro533

**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.