OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for AR51397PU-S

CD45 / LCA (1031-1251, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	CD45 / LCA (1031-1251, His-tag) human recombinant protein, 20 µg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSVMIA AQGPLKETIG DFWQMIFQRK VKVIVMLTEL KHGDQEICAQ YWGEGKQTYG DIEVDLKDTD KSSTYTLRVF ELRHSKRKDS RTVYQYQYTN WSVEQLPAEP KELISMIQVV KQKLPQKNSS EGNKHHKSTP LLIHCRDGSQ QTGIFCALLN LLESAETEEV VDIFQVVKAL RKARPGMVST FEQYQFLYDV IASTYPAQNG QVKKNNHQED KIEFDNE
Tag:	His-tag
Predicted MW:	29.6 kDa
Concentration:	lot specific
Purity:	>95% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1 mM DTT
Preparation:	Liquid purified protein
Protein Description:	Recombinant human PTPRC protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_001254727
Locus ID:	5788
UniProt ID:	M9MML4
Cytogenetics:	1q31.3-q32.1
Synonyms:	B220; CD45; CD45R; GP180; L-CA; LCA; LY5; T200

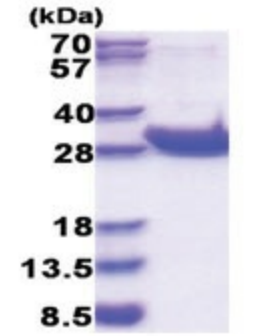
View online »

Summary: The protein encoded by this gene is a member of the protein tyrosine phosphatase (PTP) family. PTPs are known to be signaling molecules that regulate a variety of cellular processes including cell growth, differentiation, mitosis, and oncogenic transformation. This PTP contains an extracellular domain, a single transmembrane segment and two tandem intracytoplasmic catalytic domains, and thus is classified as a receptor type PTP. This PTP has been shown to be an essential regulator of T- and B-cell antigen receptor signaling. It functions through either direct interaction with components of the antigen receptor complexes, or by activating various Src family kinases required for the antigen receptor signaling. This PTP also suppresses JAK kinases, and thus functions as a regulator of cytokine receptor signaling. Alternatively spliced transcripts variants of this gene, which encode distinct isoforms, have been reported. [provided by RefSeq, Jun 2012]

Protein Families: Druggable Genome, ES Cell Differentiation/IPS, Phosphatase, Transmembrane

Protein Pathways: Cell adhesion molecules (CAMs), Fc gamma R-mediated phagocytosis, Primary immunodeficiency, T cell receptor signaling pathway

Product images:



15% SDS-PAGE (3ug)