

Recombinant Mouse HCLS1 Protein

For Research Use Only

1. Basic Product Information

Catalog No.: REP51449

Size: 10ug, 100ug

Protein Name: Hematopoietic lineage cell-specific protein (Hematopoietic cell-specific LYN substrate 1) (LckBP1)

Synonym: Hcls1, Hs1

UniProt ID: P49710

UniProt Link: www.uniprot.org/uniprotkb/P49710/entry

Species Source: Mouse

Expression System: HEK293T eukaryotic cell expression system Sequence

Length: 486 AA

Molecular Weight: 54 KD

Protein Tag: C-terminal His6

2. Amino Acid Sequence

MWKSVVGHDSVSVSVETQGDDWDTPDFVNDISEKEQRWGAKTIEGSGRTEHINIHLRNKVSEEH
DILKKKELESGBKASHGYGGRFGVERDRMDKSAVGHEYVADVEKHSSQTDAARGFGGKYGVERDR
ADKSAVGFDYKGEVEKHASQKDYSHGFGGRYGVKDKRDKAALGYDYKGETEKHESQRDYAKGF
GGQYGIQKDRVDKSAVGFNEMEAPTTAYKKTTPIEAASSGARGLKAKFESLAEEKRKREEEKAQQ
MARQQQERKAVVKMSREVQQPSMPVEEPAAPALPKKISSEVWPPAESHLPPESQPVRSRREYPV
PSLPTRQSPLQNHLEDNEEPPALPPRTPEGLQVVEEPVYEAAPLEPEPEPDYEPEPETEPDYEDV
GELDRQDEDAEGDYEDVLEPEDTPSLSYQAGPSAGAGGAGISAIALYDYQGEGSDELSDPDDIITDI
EMVDEGWWRGQCRGHFGLFPANYVKLL

3. Buffer Composition

Liquid format: PBS-based buffer containing 50% glycerol. Glycerol concentration can be customized upon customer request; please state special requirements when placing your order.

Lyophilized format: Buffer before lyophilization is PBS supplemented with 6% trehalose.

4. Storage Conditions

Upon receipt, store the product at -20 °C or -80 °C. Aliquot the product for on-demand use to preserve protein activity and prevent denaturation and inactivation caused by repeated freeze-thaw cycles.

5. Product Description

This product is recombinant Hematopoietic lineage cell-specific protein (Hematopoietic cell-specific LYN substrate 1) (LckBP1) produced using the HEK293T eukaryotic cell expression system. It is suitable for in-vitro functional assays, protein-protein interaction studies, antibody preparation and other biomedical research applications.

Protein Function: Substrate of the antigen receptor-coupled tyrosine kinase. Plays a role in antigen receptor signaling for both clonal expansion and deletion in lymphoid cells. May also be involved in the regulation of gene expression (By similarity).

Subcellular Localization: Mitochondrion .

6. Notes

- Avoid repeated freeze-thaw cycles to maintain protein stability and biological activity.
- Please specify special buffer-composition requirements at the time of order placement.
- For research use only. Not intended for clinical diagnosis, therapeutic use or commercial manufacturing.