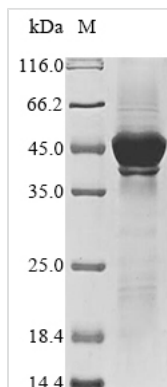




Recombinant Human Glutathione S-transferase LANCL1 (LANCL1)

Product Code	CSB-EP012742HU
Abbreviation	Recombinant Human LANCL1 protein
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	O43813
Storage Buffer	Tris-based buffer,50% glycerol
Product Type	Recombinant Proteins
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 85% as determined by SDS-PAGE.
Sequence	AQRAFPNPYADYNKSLAEGYFDAAGRLTPEFSQRLTNKIRELLQQMERGLKSA DPRDGTGYTGWAGIAVLYLHLYDVFQDPAYLQLAHGYVKQSLNCLTKRSITFL CGDAGPLAVAAVLYHKMNNEKQAEDCITRLIHLNKIDPHAPNEMLYGRIGYIYA LLFVNKNFGVEKIPQSHIQQICETILTSGENLARKRNFTAKSPLMYEWYQEYYV GAAHGLAGIYYYYLMQPSLQVSQGKLHSLVKPSVDYVCQLKFPSPGNYPPIGDN RDLLVHWCHGAPGVIYMLIQAYKVFREEKYLCDAYQCADVIWQYGLLKKGYGL CHGSAGNAYAFLLTYNLTQDMKYLYRACKFAEWCLEYGEHGCRTPTDTPFSLF EGMAGTIYFLADLLVPTKARFPAPFEL
Research Area	Cardiovascular
Source	E.coli
Target Names	LANCL1
Protein Names	Recommended name: LanC-like protein 1Alternative name(s): 40 kDa erythrocyte membrane protein Short name= p40
Expression Region	2-399aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 10xHis-tagged and C-terminal Myc-tagged
Mol. Weight	52.6 kDa
Protein Length	Full Length of Mature Protein
Image	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Description

Inserting the gene encoding the Human LANCL1 protein (2-399aa) into a plasmid vector results in the creation of recombinant plasmid, which is introduced into e.coli cells. e.coli cells that can survive in the presence of a specific antibiotic are selected, indicating successful uptake of the recombinant plasmid. The e.coli cells containing the recombinant plasmid are cultured under conditions promoting the expression of the gene of interest. A N-terminal 10xHis tag and C-terminal Myc tag is linked to the protein. After expression, affinity purification is used to isolate and purify the recombinant Human LANCL1 protein from the cell lysate. Denaturing SDS-PAGE is then applied to resolve the resulting recombinant Human LANCL1 protein, revealing a purity level exceeding 85%.

Shelf Life

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