

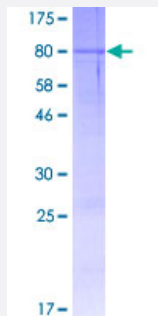
Full-Length

LCTL (Human) Recombinant Protein (P01)

Catalog # H00197021-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human LCTL full-length ORF (AA152991.1, 1 a.a. - 567 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MKPVWVATLLWMLLLVPRLGAARKGSPEEASFYYGTFPLGFSWGVGSSAYQTEGAWDQDGKG
PSIWDVFTHSKGKVLGNETADVACDGYKVEDIILLRELHVNHYRFSLSWPRLPTGIRAEQVN
KKGIEFYSDLIDALLSSNITPMTLHHWDLPQLLQVKYGGWQNVSMANYFRDYANLCFEAFGDRVK
HWITFSDPRAMAEKGYETGHHAPGLKLRGTGLYKAAHHIIKAHAKAWHSYNTTWRSKQQGLVGISL
NCDWGEPVDISNPKDLEAAERYLQFCLGWFANPIYAGDYPQVMKDYIGRKSAAEQGLEMSRLPVF
SLQEKSIIKGTSDFLGLGHFTTRYITERNYPSRQGPSYQNDRLIELVDPNWPDLGSKWLYSVPW
GFRLLNFAQTQYGDPPIMVMEGASQKFHCTQLCDEWRIQYKGYNEMLKAIKDGANIKGYTSW
SLLDKFEWEKGYSDRYGFYVEFNDRNKPRYPKASVQYKKIIANGFPNPREVESWYLKALETCSI
NNQMLAAEPLLSHMQMVTEIVPTVCSLCVLITAVLLMLLRRQS

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

89.32

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — LCTL

Entrez GeneID[197021](#)**GeneBank Accession#**[BC152990](#)**Protein Accession#**[AAI52991.1](#)**Gene Name**

LCTL

Gene Alias

FLJ33279, KLG, KLPH

Gene Description

lactase-like

Gene Ontology[Hyperlink](#)**Other Designations**

KL lactase phlorizin hydrolase|klotho gamma

Publication Reference

- [Gamma-Klotho exhibits multiple roles in tumor growth of human bladder cancer.](#)

Hori S, Miyake M, Tatsumi Y, Morizawa Y, Nakai Y, Onishi S, Onishi K, Iida K, Gotoh D, Tanaka N, Fujimoto K.
Oncotarget 2018 Apr; 9(28):19508.

Application: Func, Human, J82, MGH-U3, UM-UC-3 cells