

LRRC15 Protein, Human, Recombinant (His)

General Information

Synonyms:	leucine rich repeat containing 15;LIB
Protein Construction:	A DNA sequence encoding the human LRRC15 (NP_570843.2) (Met1-Gly538) was expressed with a polyhistidine tag at the C-terminus. Predicted N terminal: Tyr 22
Species:	Human
Expression Host:	HEK293 Cells
Accession:	Q8TF66-1
Molecular Weight:	59.2 kDa (predicted); 62.88 kDa (reducing condition, due to glycosylation)
AA Sequence:	YHGCPSECTCSRASQVECTGARIVAVPTPLPWNAMSLQILNTHITELNESPFLNISALIALRIEKNELSRITPGAF RNLGSLRYLSLANNKLQVLPIGLFQGLDSLESLLLSSNQLLQIQPAHFSQCSNLKELQLHGNHLEYIPDGAFDH LVGLTKLNLGKNSLTHISPRVFQHLGNLQVLRLYENRLTDIPMGTFDGLVNLQELALQQNQIGLLSPGLFHNN HNLQRLYLSNNHISQLPPSVFMQLPQLNRLTLFGNSLKELSPGIFGMPNLRRELWLYDNHISLPDNVFSNLR QLQVLILSRNQISFISPGAFNGLTELRELSHTNALQDLGDNVFRMLANLQNISLQNNRRLQPLGNIFANVNG LMAIQLQNNQLENLPLGIFDHLGKLCERLYDNPWRCDSDILPLRNWLLNQPRLGTDTPVCFSPANVRGQ SLIIINNVNAVPSVHVPEVPSYPETPWYPDTPSYDPTTSVSSTELTSPVEDYDLDLTTIQVTDDRSVWGMTQAQ SGAHHHHHHHHHH

QC Testing

Biological Activity:	Immobilized Anti-LRRC15 Antibody(Samrotamab) at 2 µg/mL (100 µL/well) can bind Recombinant Human LRRC15 Protein (ECD, His Tag) , the EC50 is 3-9 ng/mL.
Purity:	> 95 % as determined by SDS-PAGE.> 85 % as determined by SEC-HPLC
Endotoxin:	< 1.0 EU/µg of the protein as determined by the LAL method.
Formulation:	Lyophilized from a solution filtered through a 0.22 µm filter, containing PBS, pH 7.4. Typically, a mixture containing 5% to 8% trehalose, mannitol, and 0.01% Tween 80 is incorporated as a protective agent before lyophilization.

Preparation and Storage

Reconstitution:
A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

Stability & Storage:

It is recommended to store recombinant proteins at -20°C to -80°C for future use. Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

LRRC15 (Leucine-Rich Repeat Containing 15) is a Protein Coding gene. 2 alternatively spliced human isoforms have been reported. The tumor antigen 15-leucine-rich repeat-containing membrane protein (LRRC15) is a transmembrane protein demonstrated to play important roles in cancer. LRRC15 is highly expressed in multiple solid tumor indications with limited normal tissue expression. It was expressed on stromal fibroblasts in many solid tumors (e.g., breast, head, and neck, lung, pancreatic) as well as directly on a subset of cancer cells of mesenchymal origin (e.g., sarcoma, melanoma, glioblastoma). The tumor antigen LRRC15, which is frequently overexpressed in multiple tumor types, as a repressor of cell death due to adenoviral p53.

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