

LRR3B Protein, Human, Recombinant (His)

General Information

Synonyms:	leucine rich repeat containing 3B;LRP15
Protein Construction:	A DNA sequence encoding the human LRR3B (NP_443185.1) (Met1-Tyr204) was expressed with a polyhistidine tag at the C-terminus. Predicted N terminal: Cys 34
Species:	Human
Expression Host:	HEK293 Cells
Accession:	A1LNH5
Molecular Weight:	20.4 kDa (predicted)

QC Testing

Biological Activity:	Activity testing is in progress. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 95 % as determined by SDS-PAGE.
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

LRR3B expression is downregulated in many kinds of malignant tumors and it is regarded as a tumor inhibition protein. The leucine-rich repeat-containing 3B (LRR3B) gene is a putative tumor suppressor located on human chromosome 3 in the 3p24 region. LRR3B is frequently altered in colon and gastric cancers and also in leukemias. LRR3B expression is downregulated in lung cancer cell lines and LRR3B could inhibit lung cancer cell proliferation, invasion, and cell cycle progress. LRR3B could be a new target for lung cancer therapy.

depletion in HBE cells promoted proliferation and invasion, suggesting that LRRC3B may serve as an important tumor suppressor in NSCLC.

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