





Recombinant Human Density-regulated protein (DENR)

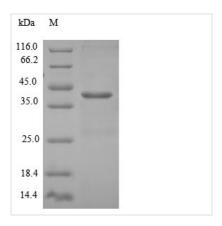
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Protein Length Full Length of Mature Protein	Protein Length	Full Length of Mature Protein
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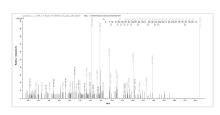




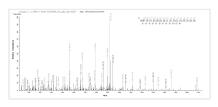




(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.



Based on the SEQUEST from database of E.coli host and target protein, the LC-MS/MS Analysis result of CSB-EP006724HU could indicate that this peptide derived from E.coli-expressed Homo sapiens (Human) DENR.



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Description

The expression region of this recombinant Human DENR covers amino acids 2-198. The expected molecular weight for the DENR protein is calculated to be 38 kDa. The DENR protein was expressed in e.coli. The DENR gene fragment has been modified by fusing the N-terminal 6xHis-SUMO tag, providing convenience in detecting and purifying the recombinant DENR protein during the following stages.

Human density-regulated protein (DENR) is a conserved protein crucial for regulating translation. It plays a crucial role in the initiation and progression of protein synthesis. During translation, DENR forms a stable heterodimer with malignant T-cell-amplified sequence 1 (MCT-1), interacting with the 40S ribosomal subunit throughout initiation, reinitiation, and recycling stages. DENR, along with the oncoprotein MCT-1/MCTS1, supports unconventional translation initiation, facilitates translation reinitiation on specific mRNAs featuring short upstream reading frames, and plays a regulatory role in ribosome recycling.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL.We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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