Recombinant Human DLL1 Protein

Catalog No.: RP02151

Sequence Information

Species
Human

Gene ID
28514

Swiss Prot
O00548

Tags
C-His

Synonyms
DLL1,DELTA1,DL1,Delta

Product Information

Source
HEK293 cells

Purification
≥ 95 % as determined by SDS-PAGE.

Calculated MW
57.3 kDa

Observed MW
65 kDa

Endotoxin
< 1 EU/μg of the protein by LAL method.

Formulation
Lyophilized from a 0.2 μm filtered solution of 20mM Hepes, 150mM NaCl, 1mM EDTA, pH 7.4.Contact us for customized product form or formulation.

Reconstitution
Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Background

Delta-like protein 1 (DLL1) is a type I transmembrane protein that belongs to the Delta/Serrate/Lag2 (DSL) family of Notch ligands. Mature human DLL1 consists of a 528 amino acid (aa) extracellular domain (ECD) with one DSL domain and eight EGF-like repeats, a 23 aa transmembrane segment, and a 155 aa cytoplasmic domain. Within the ECD, human DLL1 shares 91% aa sequence identity with mouse and rat DLL1. The residual membranebound portion of DLL1 can be cleave by presenilin-dependent γ -secretase, enabling the cytoplasmic domain to migrate to the nucleus. DLL1 localizes to adherens junctions on neuronal processes through its association with the scaffolding protein MAGI1. DLL1 is widely expressed, and it plays an important role in embryonic somite formation, cochlear hair cell differentiation, plus B and T lymphocyte differentiation. The upregulation of DLL1 in arterial endothelial cells following injury or angiogenic stimulation is central to postnatal arteriogenesis. DLL1 is also overexpressed in cervical carcinoma and glioma and contributes to tumor progression.

Basic Information

Description
Recombinant Human DLL1 Protein is produced by Mammalian expression system. The target protein is expressed with sequence (Gln18-Gly540) of human DLL1 (Accession #O00548) fused with a 6xHis tag at the C- terminus.

Activity

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -20℃

Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

400-999-6126
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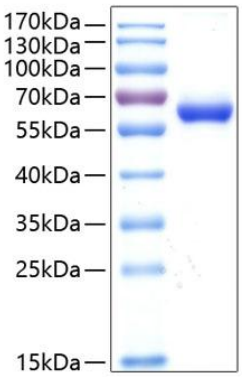
For research use only. Not for therapeutic or diagnostic purposes.
Please visit http://abclonal.com for a complete listing of recommended products.

Validation Data



Recombinant Human DLL1 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.