

## Recombinant human DAGLB protein, N-His

Catalog Number: bs-42098P

Concentration: >mg/ml

Species: Human

AA Seq: 470-672 /672

Predicted MW: 28 kDa

Tags: N-His

Endotoxin: Not analyzed

Purity: >90% as determined by SDS-PAGE

Purification: AC

Form: Liquid

Storage: 20mM Tris-HCl (pH=8.0) with 8M Urea.

Stored at -70°C or -20°C. Avoid repeated freeze/thaw cycles.

**Background:** KCCR13L, is a 672 amino acid multi-pass membrane protein that belongs to the AB hydrolase superfamily. DAGL beta uses calcium as a cofactor to catalyze the hydrolysis of diacylglycerol (DAG) to 2-arachidonoyl-glycerol (2-AG), a reaction that is required for axonal growth and for retrograde synaptic signaling at mature synapses. DAGL beta functions at an optimal pH of 7 and its activity is inhibited by p-hydroxy-mercuri-benzoate and HgCl<sub>2</sub>, but not PMSF. There are three isoforms of DAGL beta that are produced as a result of alternative splicing events.

### VALIDATION IMAGES



The purity of the protein is greater than 80% as determined by reducing SDS-PAGE.