



# Recombinant Protein Technical Manual

## Recombinant Mouse CHL Protein

RPES2325

### Product Data:

**Product SKU:** RPES2325

**Size:** 20µg

**Species:** Mouse

**Expression host:** HEK293 Cells

**Uniprot:** P70232

### Protein Information:

**Molecular Mass:** 113.3 kDa

**AP Molecular Mass:** 11323 kDa

**Tag:**

**Bio-activity:**

**Purity:** > 90 % as determined by SDS-PAGE

**Endotoxin:** < 1.0 EU per µg of the protein as determined by the LAL method.

**Storage:** Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

**Shipping:** This product is provided as lyophilized powder which is shipped with ice packs.

**Formulation:** Lyophilized from sterile PBS, pH 7.4

**Reconstitution:** Please refer to the printed manual for detailed information.

**Application:**

**Synonyms:** A530023M13Rik;AI465420;CALL;LICAM2

## Immunogen Information:

**Sequence:** Met1-Gln1027

## Background:

Neural cell adhesion molecule L1-like protein, also known as close homolog of L1 (CHL1) is the prototypic member of the CTF / NF family of transcription factors that serve as a novel calcium signaling pathway-responsive transcription factor and is considered as a member of the largest ctf complementation group, consisting of 30 of 126 ctf mutants isolated. CHL1 is a cell adhesion molecule highly related to L1. It contains structure plan of six extracellular C2-type immunoglobulin (Ig) domains followed by five fibronectin type III domains linked by a single membrane-spanning region to a short cytoplasmic domain. The extracellular portion of CHL1 is highly glycosylated and involved in hemophilic disease.