Recombinant Protein Technical Manual

Recombinant Human CHL Protein (His Tag)(Active)

RPES1460

Product Data:

Product SKU: RPES1460

Size: 20µg

Species: Human

Expression host: HEK293 Cells

Uniprot: AAI04919.1

Protein Information:

Molecular Mass:	120 kDa
AP Molecular Mass:	16080 kDa
Tag:	C-His
Bio-activity:	Measured by the ability of the immobilized protein to support the adhesion of C6 Rat brain glial cells. When 5 x 10E4 cells/well are added to CHL1 coated plates (0.8 µg/ml and 100 µl/well), approximately 40%-60% will adhere specifically after 60 minutes at 37°C.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin:	< 1.0 EU per µg 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:	CALL;L1CAM2;LICAM2

Immunogen Information:

Sequence: Met 1-Gln 1080

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 higyly glycosylated and involved them in hemophilic disease.