



Recombinant Protein Technical Manual

Recombinant Human CALCB Protein (Fc Tag)

RPES1492

Product Data:

Product SKU: RPES1492

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: P10092

Protein Information:

Molecular Mass: 37&30.1

AP Molecular Mass: 25-28 kDa

Tag: C-Fc

Bio-activity:

Purity: > 90 % 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 a 0.2 µm filtered solution of PBS, pH 7.4.

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

Application:

Synonyms: Calcitonin gene-related peptide 2; CALC2; Beta-type CGRP; Calcitonin gene-related peptide II; CALCB

Immunogen Information:

Sequence: Ala26&Ala82-Phe118

Background:

CALCB is a member of the calcitonin family. CALCB is produced in both peripheral and central neurons. It is a potent peptide vasodilator and can function in the transmission of pain. In the spinal cord, the function and expression of CGRP may differ depending on the location of synthesis. CALCB is derived mainly from the cell bodies of motor neurons when synthesized in the ventral horn of the spinal cord and may contribute to the regeneration of nervous tissue after injury.