Human CIB2 / KIP-2 Protein (His Tag)

Catalog Number: **12596-H07E**

General Information

Gene Name Synonym:

DFNB48; KIP2; USH1J

Protein Construction:

A DNA sequence encoding the mature form of human CIB2 (O75838) (Met 1-Ile 187) was expressed, with a polyhistide tag at the N-terminus.

Source: Human

Expression Host: E. coli

QC Testing

Purity: > 75 % as determined by SDS-PAGE

Endotoxin:

Please contact us for more information.

Stability:

Samples are stable for up to twelve months from date of receipt at -70 ℃

Predicted N terminal: Met

Molecular Mass:

The recombinant human CIB2 consisting of 198 amino acids and has a calculated molecular mass of 23.1 kDa. The apparent molecular mass of the protein is approximately 27 kDa in SDS-PAGE under reducing conditions.

Formulation:

Lyophilized from sterile 50mM Tris, 20% glycerol, pH 8.0

Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.

Usage Guide

Storage:

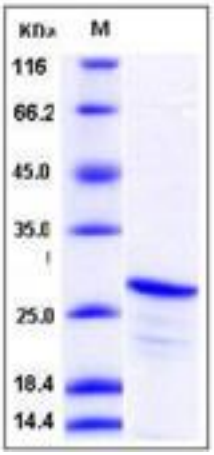
Store it under sterile conditions at -20℃ to -80℃ upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

Reconstitution:

Detailed reconstitution instructions are sent along with the products.

SDS-PAGE:



References

1.Blazejczyk M, *et al.* (2006) Myristoylation and membranous localization of Calmyrin2, a new member of Neuronal Calcium-Sensor proteins. FENS Forum Abstracts. 3. 2.Hollenbach AD, *et al.* (2006) The EF-hand calcium-binding protein calmyrin inhibits the transcriptional and DNA-binding activity of Pax3. Biochimica et Biophysica Acta (BBA) - Gene Structure and Expression. 1574(3): 321-8. 3.Blazejczyk M, *et al. (2009)* Biochemical characterization and expression analysis of a novel EF-hand Ca2+ binding protein calmyrin2 (Cib2) in brain indicates its function in NMDA receptor mediated Ca2+ signaling. Archives of Biochemistry and Biophysics. 487(1): 66-78.