

Human FSTL5 Protein (His Tag)

Catalog Number: 13408-H08H



Sino Biological Inc.

Biological Solution Specialist

General Information

Gene Name Synonym:

9130207J01Rik

Protein Construction:

A DNA sequence encoding the human FSTL5 (Q8N475) (Gln32-Ala847) was expressed with a polyhistidine tag at the C-terminus.

Source: Human

Expression Host: Human Cells

QC Testing

Purity: > 90 % as determined by SDS-PAGE

Endotoxin:

< 1.0 EU per µg of the protein as determined by the LAL method

Stability:

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

Predicted N terminal: Arg 21

Molecular Mass:

The recombinant human FSTL5 consists of 838 amino acids and predicts a molecular mass of 94.9 KDa. It migrates as an approximately 95 KDa band in SDS-PAGE under reducing conditions.

Formulation:

Lyophilized from sterile PBS, pH 7.4

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:

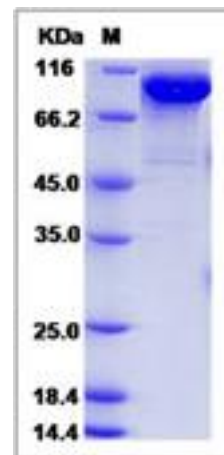
Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

Reconstitution:

Detailed reconstitution instructions are sent along with the products.

SDS-PAGE:



Protein Description

FSTL5 may have molecular function (calcium ion binding) and to localize in various compartments (cytoplasm, extracellular space, extracellular region). FSTL5 expression denoted a dismal prognosis both within and across medulloblastoma subgroups. FSTL5 gene is well expressed, 1.0 times the average gene in this release. The sequence of this gene is defined by 120 GenBank accessions from 113 cDNA clones, some from brain, cerebellum, eye, melanotic melanoma, skin, amygdala, breast and 24 other tissues. FSTL5 gene contains 27 distinct introns. The addition of FSTL5 immunohistochemistry to existing molecular stratification schemes constitutes a reliable and cost-effective tool for prognostication in future clinical trials of medulloblastoma.

References

- 1.Masuda T, *et al.* (2009) Laser capture microdissection and cDNA array analysis for identification of mouse KIAA/FLJ genes differentially expressed in the embryonic dorsal spinal cord. *Brain Res.* 1249:61-7.
- 2.Kingwell K. (2011) FSTL5--a new prognostic biomarker for medulloblastoma. *Nat Rev Neurol.* 7(11):598.
- 3.Remke M, *et al.* (2011) FSTL5 is a marker of poor prognosis in non-WNT/non-SHH medulloblastoma. *J Clin Oncol.* 29(29):3852-61.

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