

# Recombinant human KIAA0513 protein

Catalog Number: ATGP3045

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

1-401aa

### UniProt No.

O60268

### NCBI Accession No.

NP\_001273495.1

### Alternative Names

Uncharacterized protein KIAA0513 isoform b, K0513

## PRODUCT SPECIFICATION

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### Molecular Weight

47.9 kDa (424aa) confirmed by MALDI-TOF

### Concentration

0.25mg/ml (determined by Bradford assay)

### Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

### Purity

> 85% by SDS-PAGE

### Tag

His-Tag

### Application

SDS-PAGE

### Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

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### Description

KIAA0513 also known as uncharacterized protein KIAA0513, is highly expressed in the brain cortex, cerebellum, hippocampus, amygdala, pons and putamen. As the expression is high in neurons, KIAA0513 is also present in glial cells. In schizophrenic patients, higher levels are observed in the dorsolateral prefrontal cortex as compared to control patients. Recombinant human KIAA0513, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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## Amino acid Sequence

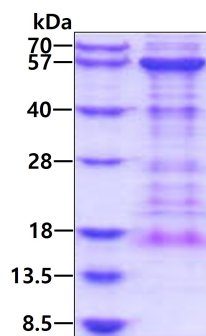
<MGSSHHHHH SSGLVPRGSH MGS>METPEVP VGSLIDFGPE APTSSPLEAP PPVLQDGDGS LGDGASESET  
TESADSENDM GESPSHPSWD QDRRSSNES FSSNQSTEST QDEETLALRD FMRGYVEKIF SGGEDLDQEE KAKFGEYCSS  
ENGKGREWFA RYVSAQRCNS KCVSEATFYR LVQSFVVLV ECHQMDDFGP AKNLMTMCFT YYHIGKPQLL PPESREKPAG  
SIDSYLKSN SWLAEKDIA ERLKNTSAR TENVKGFFGG LETKLGKPLA RRNEEDENKP QEKRPRAVTA YSPEDEKKGE  
KIYLYTHLKQ QPIWHTLRFW NAAFFDAVHC ERTKRSPTTR EKWCHMTQEE RDDSLRFNEN ITFGQLGTFT HNMLAFGLNK  
KLCNDFLKKQ AVIGNLDEEQ YKLLSDHIEQ MATE

## General References

Lauriat TL.et al. (2006). Brain Res. 1121(1):1-11.

## DATA

### SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.