

# Human FAM19A5 Protein

Cat. No. FAM-HE1A5

## Description

<b>Source</b>	Recombinant Human FAM19A5 Protein is expressed from E.coli with His tag at the N-Terminus. It contains Thr37-Ser125.
<b>Accession</b>	NP_056196
<b>Molecular Weight</b>	The protein has a predicted MW of 10.79 kDa. The protein migrates to 13-14 kDa based on Tris-Bis PAGE result.
<b>Endotoxin</b>	Less than 1EU per µg by the LAL method.
<b>Purity</b>	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC

## Formulation and Storage

<b>Formulation</b>	Supplied as 0.22µm filtered solution in 20mM Tris, 300mM NaCl, 10% Glycerol (pH 7.4).
<b>Storage</b>	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

## Background

FAM19A5 is a secretory protein that is predominantly expressed in the brain. Although the FAM19A5 gene has been found to be associated with neurological and/or psychiatric diseases, only limited information is available on its function in the brain. FAM19A5 plays a role in nervous system development from an early stage and increases its expression in response to pathological conditions in subsets of neurons and OPCs of the brain.

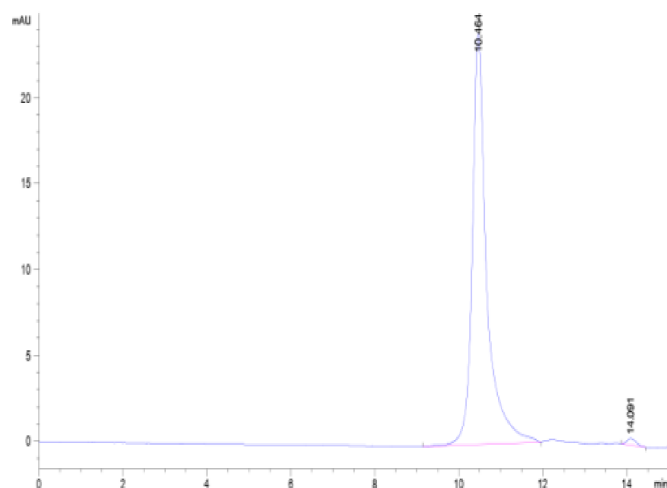
## Assay Data

### Tris-Bis PAGE



Human FAM19A5 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

### SEC-HPLC



The purity of Human FAM19A5 is greater than 95% as determined by SEC-HPLC.