

# Human FAM171A2 Protein, His Tag

Catalog # FA2-H52H3



BIOSYSTEMS  
**Acro**

Surprise Inside!

## Synonym

FAM171A2

## Source

Human FAM171A2 Protein, His Tag (FA2-H52H3) is expressed from human 293 cells (HEK293). It contains AA Lys 30 - Thr 315 (Accession # [A8MVW0](#)).

Predicted N-terminus: Lys30

## Molecular Characterization

FAM171A2(Lys 30 - Thr 315) A8MVW0	Poly-his
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This protein carries a polyhistidine tag at the C-terminus.

The protein has a calculated MW of 32.7 kDa. The protein migrates as 38-45 kDa when calibrated against [Star Ribbon Pre-stained Protein Marker](#) under reducing (R) condition (SDS-PAGE) due to glycosylation.

## Endotoxin

Less than 0.1 EU per µg by the LAL method / rFC method.

## Purity

>95% as determined by SDS-PAGE.

## Formulation

Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with trehalose as protectant.

Contact us for customized product form or formulation.

## Reconstitution

Please see Certificate of Analysis for specific instructions.

**For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.**

## Storage

For long term storage, the product should be stored at lyophilized state at -20°C or lower.

**Please avoid repeated freeze-thaw cycles.**

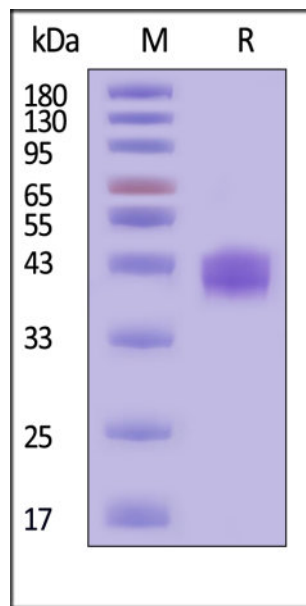
This product is stable after storage at:

- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

## ACRO Quality Management System

- [QMS\(ISO, GMP\)](#)
- [Quality Advantages](#)
- [Quality Control Process](#)

## SDS-PAGE



Human FAM171A2 Protein, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95% (With [Star Ribbon Pre-stained Protein Marker](#)).

## Background

FAM171A2 is a neuronal membrane receptor identified as a critical therapeutic target for Parkinson's disease (PD). It acts as a neuronal receptor that selectively binds pathological  $\alpha$ -synuclein, facilitating its neuron-to-neuron transmission—a key process in PD progression. Inhibiting FAM171A2 effectively blocks this propagation, offering a promising strategy to slow disease advancement.

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