

# Recombinant Human TYRO3 protein (rFc Tag) (HPLC verified)

Catalog Number: Eg2892

## Basic Information

**Species:**  
Human**Purity:**  
>90 %, SDS-PAGE  
>90 %, SEC-HPLC**Tag:**  
rFc Tag

## Technical Specifications

**Purity:**  
>90 %, SDS-PAGE  
>90 %, SEC-HPLC**Endotoxin Level:**  
<0.1 EU/ µg protein, LAL method**Source:**  
HEK293-derived Human TYRO3 protein Ala41-Ser428 (Accession# Q06418) with a rabbit IgG Fc tag at the C-terminus.**GeneID:**  
7301**Accession:**  
Q06418**Predicted Molecular Mass:**  
67.6 kDa**SDS-PAGE:**  
70-100 kDa, reducing (R) conditions**Formulation:**  
Lyophilized from 0.22 µm filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

## Biological Activity

Not tested

## Storage and Shipping

**Storage:**

It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20°C to -80°C as lyophilized proteins.
- 3 months, -20°C to -80°C under sterile conditions after reconstitution.

**Shipping:**

The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.

## Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

## Background

TYRO3 has a structure includes a cytoplasmic domain and an extracellular ligand binding region. And ligand binding at the cell surface induces dimerization and autophosphorylation of TYRO3 on its intracellular domain that provides docking sites for downstream signaling molecules. TYRO3 is associated with many physiological processes including cell survival, migration and differentiation. It has been reported that TYRO3 can be expressed in various regions of the mammalian central nervous system. 28513-1-AP antibody recognizes the 97 kDa and 140 kDa protein which might be the glycosylated form similar to the papers. (PMID: 8873131, 23354874, 21539887)

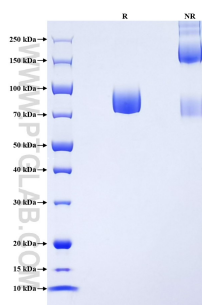
## References

1. Tomobe YI, Hama H, et al. (1996) Neurosci Lett. 214(1):57-60.
2. el Sayadi H, Pissaloux D, et al. (2013) Target Oncol. 8(4):261-9.
3. Pierce A, Xu M, et al. (2011) Mol Cell Endocrinol. 339(1-2):151-8.

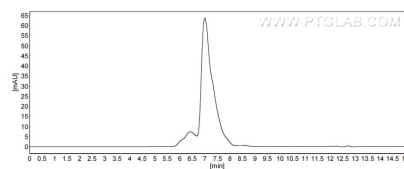
## Synonyms

Brt, BYK, Dtk, EC:2.7.10.1, RSE

## Selected Validation Data



Purity of Recombinant Human TYRO3 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.



The purity of Human TYRO3 was greater than 90% as determined by SEC-HPLC.

For technical support and original validation data for this product please contact

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