

Product datasheet

Recombinant Human MT3 protein ab114897

1 Image

Overview

---

**Product name** Recombinant Human MT3 protein  
**Protein length** Full length protein

Description

---

**Nature** Recombinant  
**Source** Wheat germ

Amino Acid Sequence

**Accession** [P25713](#)  
**Species** Human  
**Sequence** MDPETCPSPGGSCCADSCKCEGCKCTSCCKSCCSCCPAECEKCAKDCV  
 CKGGEEAEAEKCSCCQ  
**Molecular weight** 33 kDa including tags  
**Amino acids** 1 to 68

Specifications

---

Our [Abpromise guarantee](#) covers the use of **ab114897** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

**Applications** ELISA  
 SDS-PAGE  
 Western blot

**Form** Liquid

**Additional notes** Protein concentration is above or equal to 0.05 mg/ml. Best use within three months from the date of receipt of this protein.

Preparation and Storage

---

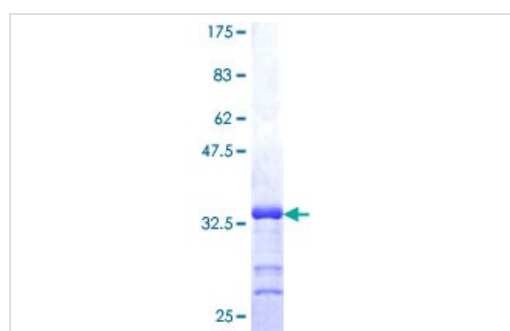
**Stability and Storage** Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles.  
 pH: 8.00

Constituents: 0.3% Glutathione, 0.79% Tris HCl

## General Info

<b>Function</b>	Binds heavy metals. Contains three zinc and three copper atoms per polypeptide chain and only a negligible amount of cadmium. Inhibits survival and neurite formation of cortical neurons in vitro.
<b>Tissue specificity</b>	Abundant in a subset of astrocytes in the normal human brain, but greatly reduced in the Alzheimer disease (AD) brain.
<b>Sequence similarities</b>	Belongs to the metallothionein superfamily. Type 1 family.

## Images



12.5% SDS-PAGE showing ab114897 at approximately 33.1 kDa.  
Stained with Coomassie Blue.

SDS-PAGE - Human MT3 full length protein  
(ab114897)

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

## Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <http://www.abcam.com/abpromise> or contact our technical team.

## Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors