

## Melanotransferrin/CD228 Protein, Human (HEK293, His)

Cat. No.:	HY-P700671
Synonyms:	Melanotransferrin; CD228; MFI2; MELTF; MAP97; MFI2
Species:	Human
Source:	HEK293
Accession:	P08582-1 (G20-C709)
Gene ID:	/
Molecular Weight:	78-88 kDa

### PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4. Normally 8% trehalose is added as protectant before lyophilization.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH <sub>2</sub> O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

### DESCRIPTION

Background	Melanotransferrin, also known as CD228, plays a crucial role in cellular iron uptake by binding a single atom of iron per subunit. The protein is implicated in the internalization and subsequent recycling back to the cell membrane. Notably, melanotransferrin exhibits the capacity to bind zinc, suggesting potential versatility in metal ion interactions.
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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