

## ARMET/MANF Protein, Human (158a.a, HEK293, His)

Cat. No.:	HY-P7605
Synonyms:	rHuARMET/MANF, His; Mesencephalic astrocyte-derived neurotrophic factor; ARMET
Species:	Human
Source:	HEK293
Accession:	P55145 (L25-L182)
Gene ID:	7873
Molecular Weight:	Approximately 17.0 kDa

### PROPERTIES

AA Sequence	<pre> L R P G D C E V C I   S Y L G R F Y Q D L   K D R D V T F S P A   T I E N E L I K F C R E A R G K E N R L   C Y Y I G A T D D A   A T K I I N E V S K   P L A H H I P V E K I C E K L K K K D S   Q I C E L K Y D K Q   I D L S T V D L K K   L R V K E L K K I L D D W G E T C K G C   A E K S D Y I R K I   N E L M P K Y A P K   A A S A R T D L H H H H H H           </pre>
Appearance	Lyophilized powder.
Formulation	Lyophilized after extensive dialysis against 20 mM PB, 150 mM NaCl, pH7.4.
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. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
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	Armet (also known as MANF) acts as a gene up-regulated by various forms of ER stress in different cell lines and by cerebral ischaemia in rat. Armet interacts with mutant matrilin-3. Armet is a genotype-specific ER stress response protein with substrate specificities, and that aggregation of mutant matrilin-3 is a key disease trigger in multiple epiphyseal dysplasia (MED) that could be exploited as a potential therapeutic target <sup>[1]</sup> .
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### REFERENCES

**Caution: Product has not been fully validated for medical applications. For research use only.**

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