

Glia maturation factor beta/GMFB Protein, Human

Cat. No.:	HY-P7362
Synonyms:	rHuGMFB; GMFB
Species:	Human
Source:	E. coli
Accession:	P60983 (M1-H142)
Gene ID:	2764
Molecular Weight:	Approximately 19.3 kDa

PROPERTIES

AA Sequence	<pre> M S E S L V V C D V A E D L V E K L R K F R F R K E T N N A A I I M K I D K D K R L V V L D E E L E G I S P D E L K D E L P E R Q P R F I V Y S Y K Y Q H D D G R V S Y P L C F I F S S P V G C K P E Q Q M M Y A G S K N K L V Q T A E L T K V F E I R N T E D L T E E W L R E K L G F F H </pre>
Biological Activity	Data is not available.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS or 20 mM PB, 150 mM NaCl, pH 7.4.
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 ₂ 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	Human Glia Maturation Factor beta (GMFB) is a major component of the GMF family and highly expressed in the rodent CNS. GMFB is essential in brain development and responses to stress. On a molecular level, GMFB can regulate cytoskeleton remodelling, act like growth factors or pro-inflammatory mediators, thus playing key roles in many different cellular processes ^[1] .
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REFERENCES

[1]. Yin G, et al. Glia maturation factor beta is required for reactive gliosis after traumatic brain injury in zebrafish. *Exp Neurol*. 2018 Jul;305:129-138.

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

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