

Animal-Free CDNF Protein, Human (His)

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| Cat. No.: | HY-P700038AF |
| Synonyms: | Cerebral dopamine neurotrophic factor; ARMET-like protein 1; Conserved dopamine neurotrophic factor; ARMETL1 |
| Species: | Human |
| Source: | E. coli |
| Accession: | Q49AH0 (Q27-L187) |
| Gene ID: | 441549 |
| Molecular Weight: | Approximately 19.26 kDa |

PROPERTIES

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| AA Sequence | <p> M Q E A G G R P G A D C E V C K E F L N R F Y K S L I D R G V N F S L D T I E K E L I S F C L D T K G K E N R L C Y Y L G A T K D A A T K I L S E V T R P M S V H M P A M K I C E K L K K L D S Q I C E L K Y E K T L D L A S V D L R K M R V A E L K Q I L H S W G E E C R A C A E K T D Y V N L I Q E L A P K Y A A T H P K T E L </p> |
| Appearance | Lyophilized powder. |
| Formulation | Lyophilized from a solution containing 1X PBS, pH 8.0. |
| Endotoxin Level | <0.1 EU per 1 µg of the protein by the LAL method. |
| Reconstitution | It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ 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

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| Background | <p>CDNF (Cerebral Dopamine Neurotrophic Factor) emerges as a vital trophic factor with a distinctive role in supporting dopamine neurons. Its protective capabilities extend to preventing the degeneration of dopaminergic neurons induced by 6-hydroxydopamine (6-OHDA). Notably, when administered subsequent to 6-OHDA-lesioning, CDNF exhibits the remarkable ability to restore dopaminergic function and effectively thwart the degeneration of neurons within the substantia nigra, underscoring its therapeutic potential in mitigating neurodegenerative processes.</p> |
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Caution: Product has not been fully validated for medical applications. For research use only.

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