

EDNRA Protein, Human (Cell-Free, His)

Cat. No.:	HY-P702267
Synonyms:	Endothelin-1 receptor; Endothelin receptor type A; ET-A; ETA-R; hET-AR
Species:	Human
Source:	E. coli Cell-free
Accession:	P25101 (D21-N427)
Gene ID:	1909
Molecular Weight:	48.5 kDa

PROPERTIES

AA Sequence	<p> D N P E R Y S T N L S N H V D D F T T F R G T E L S F L V T T H Q P T N L V L P S N G S M H N Y C P Q Q T K I T S A F K Y I N T V I S C T I F I V G M V G N A T L L R I I Y Q N K C M R N G P N A L I A S L A L G D L I Y V V I D L P I N V F K L L A G R W P F D H N D F G V F L C K L F P F L Q K S S V G I T V L N L C A L S V D R Y R A V A S W S R V Q G I G I P L V T A I E I V S I W I L S F I L A I P E A I G F V M V P F E Y R G E Q H K T C M L N A T S K F M E F Y Q D V K D W W L F G F Y F C M P L V C T A I F Y T L M T C E M L N R R R N G S L R I A L S E H L K Q R R E V A K T V F C L V V I F A L C W F P L H L S R I L K K T V Y N E M D K N R C E L L S F L L L M D Y I G I N L A T M N S C I N P I A L Y F V S K K F K N C F Q S C L C C C C Y Q S K S L M T S V P M N G T S I Q W K N H D Q N N H N T D R S S H K D S M N </p>
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.22 µm filtered solution of Tris/PBS-based buffer, 6% Trehalose, pH 8.0.
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 5-50% of glycerol (final concentration). Our default final concentration of glycerol is 50%. Customers could use it as reference.
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

EDNRA, a pivotal player in cellular signaling, operates as a receptor for endothelin-1, executing its actions through G proteins and initiating a phosphatidylinositol-calcium second messenger system. This receptor exhibits varying binding affinities, with ET1 holding the highest affinity, followed by ET2 and ET3. Beyond its canonical functions in endothelin signaling, EDNRA engages in molecular interactions, forming complexes with HDAC7 and KAT5, potentially contributing to intricate cellular regulatory networks. The convergence of endothelin-1 signaling and protein interactions highlights the multifaceted role of EDNRA in orchestrating diverse cellular processes.

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

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