

EDNRB/Endothelin R Type B Protein, Human (Cell-Free, His)

Cat. No.:	HY-P700379
Synonyms:	EDNRB; Endothelin receptor non-selective type; endothelin receptor type B; ETRB
Species:	Human
Source:	E. coli Cell-free
Accession:	P24530 (E27-S442)
Gene ID:	1910
Molecular Weight:	50.3 kDa

PROPERTIES

AA Sequence

E E R G F P P D R A	T P L L Q T A E I M	T P P T K T L W P K	G S N A S L A R S L
A P A E V P K G D R	T A G S P P R T I S	P P P C Q G P I E I	K E T F K Y I N T V
V S C L V F V L G I	I G N S T L L R I I	Y K N K C M R N G P	N I L I A S L A L G
D L L H I V I D I P	I N V Y K L L A E D	W P F G A E M C K L	V P F I Q K A S V G
I T V L S L C A L S	I D R Y R A V A S W	S R I K G I G V P K	W T A V E I V L I W
V V S V V L A V P E	A I G F D I I T M D	Y K G S Y L R I C L	L H P V Q K T A F M
Q F Y K T A K D W W	L F S F Y F C L P L	A I T A F F Y T L M	T C E M L R K K S G
M Q I A L N D H L K	Q R R E V A K T V F	C L V L V F A L C W	L P L H L S R I L K
L T L Y N Q N D P N	R C E L L S F L L V	L D Y I G I N M A S	L N S C I N P I A L
Y L V S K R F K N C	F K S C L C C W C Q	S F E E K Q S L E E	K Q S C L K F K A N
D H G Y D N F R S S	N K Y S S S		

Appearance Lyophilized powder.

Formulation Lyophilized from a 0.2 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 ddH₂O.

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

EDNRB/Endothelin R Type B Protein, a non-specific receptor for endothelin 1, 2, and 3, operates by associating with G proteins to activate a phosphatidylinositol-calcium second messenger system. This molecular interaction mechanism

underscores its pivotal role in mediating the cellular responses initiated by endothelin neuropeptides, highlighting the versatility of EDNRB in transducing signals that contribute to various physiological processes.

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

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