

TEM8/ANTXR1 Protein, Human

Cat. No.:	HY-P7521
Synonyms:	rHuAnthrax toxin receptor 1, His; ANTXR1; ATR; Anthrax toxin receptor 1
Species:	Human
Source:	HEK293
Accession:	Q9H6X2-4 (E33-K321)
Gene ID:	84168
Molecular Weight:	35-45 kDa

PROPERTIES

AA Sequence	<pre> EDGGPACYGG FDLYFILDKS GSVLHHWNEI YYFVEQLAHK FISPQLRMSF IVFSTRGTTL MKLTEDREQI RQGLEELQKV LPGGDTYMHE GFERASEQIY YENRQGYRTA SVIIALTDGE LHEDLFFYSE REANRSRDLG AIVYCVGVKD FNETQLARIA DSKDHVFPVN DGFQALQGI HSILKKSCIE ILAAEPSTIC AGESFQVVVR GNGFRHARNV DRVLCSEFKIN DSVTLNEKPF SVEDTYLLCP APILKEVGMK AALQVSMNDG LSFISSSVII TTTTCSLHKH HHHHH </pre>
Appearance	Lyophilized powder.
Formulation	Lyophilized after extensive dialysis against 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 Anthrax toxin receptor 1 is a type I membrane protein with an extracellular von Willebrand factor A domain that binds directly to protective antigen (PA). Human Anthrax toxin receptor 1 is also identified as the high-affinity cellular receptor for Seneca Valley Virus (SVV). Human ANTXR1 shares 99% aa identity with mouse and rat and 92% identity with dog and chick ANTXR1 within the extracellular domain ^[1] .
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REFERENCES

[1]. K A Bradley , et al. Identification of the cellular receptor for anthrax toxin. Nature.2001 Nov 8;414(6860):225-9.

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

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