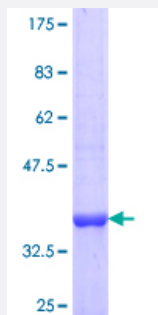


ANTXR1 (Human) Recombinant Protein (Q01)

Catalog # H00084168-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human ANTXR1 partial ORF (NP_115584.1, 201 a.a. - 305 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	VNDGFQALQGIIHSILKKSCIEILAAEPSTICAGESFQVVVRGNGFRHARNVDRVLCSEKINDSVTLN EKPFSVEDTYLLCPAPILKEVGMKAALQVSMNDGLSF
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	37.29
Interspecies Antigen Sequence	Mouse (96); Rat (96)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — ANTXR1

Entrez GeneID [84168](#)

GeneBank Accession# [NM_032208](#)

Protein Accession# [NP_115584.1](#)

Gene Name ANTXR1

Gene Alias ATR, FLJ10601, FLJ11298, FLJ21776, TEM8

Gene Description anthrax toxin receptor 1

Omim ID [606410](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes a type I transmembrane protein and is a tumor-specific endothelial marker that has been implicated in colorectal cancer. The encoded protein has been shown to also be a docking protein or receptor for Bacillus anthracis toxin, the causative agent of the disease, anthrax. The binding of the protective antigen (PA) component, of the tripartite anthrax toxin, to this receptor protein mediates delivery of toxin components to the cytosol of cells. Once inside the cell, the other two components of anthrax toxin, edema factor (EF) and lethal factor (LF) disrupt normal cellular processes. Three alternatively spliced variants that encode different protein isoforms have been described. [provided by RefSeq]

Other Designations 2310008J16Rik|2810405N18Rik|tumor endothelial marker 8