

ANTXR2, 34-317aa, Human, His tag, E.coli

Cat.NO.: TP01177

3th Edition

Synonyms: Anthrax toxin receptor 2, CMG-2, m CMG2, HFS, ISH, JHF

Description: ANTXR2 is called anthrax toxin receptor 2 because it allows the toxin that causes anthrax to attach to cells and trigger disease. This protein is involved in the formation of tiny blood vessels (capillaries). It is also important for maintaining the structure of basement membranes, which are thin, sheet-like structures that separate and support cells in many tissues. Recombinant human ANTXR2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

Form: Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol 1mM DTT, 0.1M NaCl

Molecular Weight: 33.0 kDa(307aa) confirmed by MALDI-TOF

Sequences:

MGSSHHHHHHSSGLVPRGSHMGSEQPSCRRAFDLYFVLDKSGSVANNWIEIYNFVQQLAERFVSPERMRLSFIVF
SSQATIILPLTGDRGKISKGLEDLKRVSPVGETYIHEGLKLANEQIQKAGGLKTSSIIIALTDGKLDGLVPSYAEKEAKIS
RSLGASVYCVGVLDFFEQAQLERIADSKEQVFPVKGGFQALKGIINSILAQSCTEILELQPSSVCVGEEFQIVLSGRGF
MLGSRNGSVLCTYTVNETYTTSVKPVSVQLNSMLCPAPILNKAGETLDVSVSFNGGKSVISGSLIVTATECSN

Purity: > 95% by HPLC

Concentration: 0.25 mg/ml (determined by Bradford assay)

Endotoxin Level: <1.0 EU per 1 ug of protein (determined by LAL method)

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.