

Nt5e, 29-551aa, Mouse,His-tag, Baculovirus

Cat.NO.: TP03209

3th Edition

Synonyms:5-nucleotidase, Nt5e, 2210401F01Rik, AI447961, CD73, eNT, NT, Nt5, 5-NT

Description:Nt5e, also known as 5-nucleotidase, is the main enzyme responsible for conversion of AMP into the immunosuppressive molecule adenosine. It was demonstrated to play a direct role in tumor progression including regulation of tumor vascularization. It is of general functional importance for the metabolism of nucleotides at the ventricular surface of the retina as well as the ventricles of the brain, a feature that is maintained throughout development. Recombinant mouse Nt5e, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Form:Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.

Molecular Weight:59.1kDa (531aa), 50-70kDa (SDS-PAGE under reducing conditions)

Sequences:

WELTILHTNDVHSRLEQTSDDSTKCLNASLCVGGVARLFTKVQQIRKEEPNVFLFDAGDQYQGTIWFTVYKGLEVA
HFMNILGYDAMALGNHEFDNGVEGLIDPLLRNVKFPILSANIKARGPLAHQISGLFLPSKVLVSGGEVVGIVGYTSKE
TPFLSNPGTNLVFEDEISALQPEVDKLTNLNVNKIILGHSGFEMDKLIAQKVRGVDIVVGGHSNTFLYTGNPPSKEV
PAGKYPFIVTADDGRQVPVQAYAFGKYLGYLKVVEFDDKGNVITSYGNPILLNSSIPEDATIKADINQWRIKLDNYST
QELGRTIVYLDGSTQTCRFRECNMGNLICDAMINNNLRHPDEMFWNHVSVCIVNGGGIRSPIDEKNNGTITWENLA
AVLPFGGTFDLVQLKGSTLKKAFEHSVHRYGQSTGEFLQVGGIHVVDINRKPWNRVVQLEVLCTKCRVPIYEPL
MDKVYKVTLP SYLANGGDFQMIKDELLKHDSGDQDISVVSEYISKMKVVYPAVEGRIKFSLEHHHHHH

Purity:> 95% by HPLC

Concentration:0.5mg/ml (determined by Absorbance at 280nm)

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.