



Recombinant Protein Technical Manual  
Recombinant Human Neurotensin Protein (Fc Tag)  
RPES3879

### Product Data:

**Product SKU:** RPES3879

**Size:** 20µg

**Species:** Human

**Expression host:** HEK293 Cells

**Uniprot:** NP\_006174.1

### Protein Information:

**Molecular Mass:** 41 kDa

**AP Molecular Mass:**

**Tag:** C-Fc

**Bio-activity:**

**Purity:** > 85 % as determined by reducing SDS-PAGE.

**Endotoxin:** < 1.0 EU per µg of the protein as determined by the LAL method.

**Storage:** Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

**Shipping:** This product is provided as lyophilized powder which is shipped with ice packs.

**Formulation:** Lyophilized from sterile PBS, pH 7.4

**Reconstitution:** Please refer to the printed manual for detailed information.

**Application:**

**Synonyms:** NMN25;NN;NT;NT/N;NTS1

## Immunogen Information:

**Sequence:** Met 1-Leu148

## Background:

DPEP2 (MBD-2) belongs to the membrane-bound dipeptidase family. There are three members of this family as membrane-bound dipeptidase (MBD), membrane-bound dipeptidase-2 (MBD-2) and membrane-bound dipeptidase-3 (MBD-3). MBD-2 is expressed at highest levels in lung, heart, and testis and at some what lower levels in spleen. MBD-2 is membrane-bound through a glycosylphosphatidyl-inositol linkage and probably is a metalloprotease which hydrolyzes leukotriene D4 (LTD4) into leukotriene E4 (LTE4). It is generally recognized that rapid cleavage of LTD4 is important in inactivating the broncho-and vaso-constrictive effects of cysteinyl LTs in asthmatic and inflammatory processes.