



Recombinant Protein Technical Manual

Recombinant Human B7-H5/GI24/VSIR Protein (His tag)

RPE5038

Product Data:

Product SKU: RPE5038

Size: 50µg

Species: Human

Expression host: HEK293 Cells

Uniprot: AAH20568.1

Protein Information:

Molecular Mass: 19.6 kDa

AP Molecular Mass: 38-42 kDa

Tag: C-His

Bio-activity:

Purity: > 95 % 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: B7-H5;B7H5;C10orf54;DD1alpha;GI24;PDH;PP2135;SISP1;VISTA

Immunogen Information:

Sequence: Met 1-Ala194

Background:

DBH is a 290 kDa copper-containing oxygenase. It can be detected in noradrenergic nerve terminals of the central and peripheral nervous systems, and is also expressed in chromaffin cells of the adrenal medulla. DBH contains four identical subunits, and its activity requires ascorbate as a cofactor. It functions in the synthesis of small-molecule neurotransmitters that is membrane-bound, making norepinephrine the only transmitter synthesized inside vesicles. DBH has been shown to be associated with decision making and addictive behaviors such as alcohol and smoking, attention deficit hyperactivity disorder, and also with neurological diseases such as Schizophrenia and Alzheimer's.