

Recombinant Human B7-H5/Gi24/VSIR Protein (His tag)



Catalog Number:PKSH030625

Note: Centrifuge before opening to ensure complete recovery of vial contents.

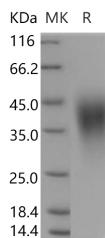
Description

Synonyms	B7-H5;B7H5;C10orf54;DD1alpha;Gi24;PD-1H;PP2135;SISP1;VISTA
Species	Human
Expression Host	HEK293 Cells
Sequence	Met 1-Ala194
Accession	AAH20568.1
Calculated Molecular Weight	19.6 kDa
Observed molecular weight	38-42 kDa
Tag	C-His

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per μ g of the protein as determined by the LAL method.
Storage	Generally, 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 Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

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 are 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.

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