Recombinant Human C12orf53 Protein (Fc Tag)

Catalog Number:PKSH030683

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

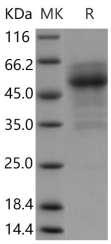
Description

Synonyms	C12orf53;leda-1;LEDA1;PANP;UNQ828/PRO1755
Species	Human
Expression Host	HEK293 Cells
Sequence	Met 1-Pro178
Accession	Q8IYJ0-1
Calculated Molecular Weight	42.3 kDa
Observed molecular weight	53 kDa
Tag	C-hFc

Properties

Purity	> 96 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per μg 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℃. Reconstituted protein solution can be stored at 4-8℃ for 2-7 days. Aliquots of reconstituted samples are stable at < -20℃ 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



> 96 % as determined by reducing SDS-PAGE.

Background

C12orf53 is mainly expressed in adult brain and cerebellum. It also can be detected in fetal brain and virtually no expression in spleen, heart, kidney, liver and dorsal ganglion relative to brain. C12orf53 acts as a ligand for PILRA in neural tissues, where it may be involved in immune regulation. Chromosome 12 encodes over 1,100 genes within 132 million bases. A number of skeletal deformities are linked to chromosome 12 including hypochondrogenesis, achondrogenesis and Kniest dysplasia. Noonan syndrome, which includes heart and facial developmental defects among the primary symptoms, is caused by a mutant form of PTPN11 gene product, SH-PTP2. Chromosome 12 is also home to a homeobox gene cluster which encodes crucial transcription factors for morphogenesis, and the natural killer complex gene cluster encoding C-type lectin proteins which mediate the NK cell response to MHC class I interaction.

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