## Recombinant Human IL-7 Receptor Subunit alpha/IL-7RA/CD127 (C-6His)

Catalog Number:PKSH033944



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

Description		
Synonyms	Interleukin-7 receptor subunit alpha;IL7R;IL-7R-alpha;CD127	
Species	Human	
Expression Host	HEK293 Cells	
Sequence	Glu21-Gly236	
Accession	P16871	
Calculated Molecular Weight	25.7 kDa	
Observed molecular weight	40-55 kDa	
Tag	C-His	
Properties		
Purity	> 95 % as determined by reducing SDS-PAGE.	
Endotoxin	< 1.0 EU per $\mu$ 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 a 0.2 µm filtered solution of 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		

kDa	MK	R
120 90		
60		-
40		-
30		
20	-	
14	_	

> 95 % as determined by reducing SDS-PAGE.

## Background

Interleukin 7 Receptor alpha (IL-7R $\alpha$ ), also known as CD127, is a 75 kDa hematopoietin receptor superfamily member that plays an important role in lymphocyte differentiation, proliferation, and survival. IL-7R $\alpha$  is majorly expressed on T cells and their precursors, and early in B cell development as well, prior to the appearance of surface IgM. Dynamic regulation of IL-7R $\alpha$  is important for the generation of appropriate immune responses.

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