SZABO SCANDIC

Part of Europa Biosite

Produktinformation

- Forschungsprodukte & Biochemikalien
- Zellkultur & Verbrauchsmaterial
- Diagnostik & molekulare Diagnostik
- Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!

Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

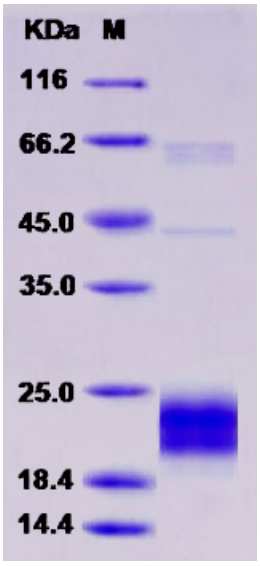
linkedin.com/company/szaboscandic

Recombinant Human NKG2D / CD314 Protein (aa 78-216, His tag)

Protein Information

Alternative Name(s):	NKG2D, KLRK1
Catalog No :	PKSH031517
Species:	Human
Purity:	> 90 % as determined by SDS-PAGE
Expression Host :	Baculovirus-Insect Cells
Endotoxin Level	< 1.0 EU per ug of the protein as determined by the LAL method
Protein Description :	A DNA sequence encoding the human NKG2D (Phe78-Val216) was fused with a polyhistide tag at the N-terminus.
Predicted N terminal :	His
Molecular Mass:	The recombinant human NKG2D consists of 155 amino acids and has a calculated molecular mass of 18.3 kDa. The recombinant protein migrates as an approximately 22 kDa band in SDS-PAGE under reducing conditions.
Formulation:	Lyophilized from sterile 20mM Tris, 500mM NaCl, pH 8.0, 10% gly
Dissolution:	Please refer to the printed manual for detailed information.
Stability :	Samples are stable for up to twelve months from date of receipt at -70℃
Shipping	In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature.Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.

SDS-PAGE



Background

NKG2D, also known as CD314, is an immune receptor which consists of two disulphide-linked type II transmembrane proteins with short intracellular proteins uncapable to transduce signals. In order to transduce signals, NKG2D needs adaptor proteins and it uses two adaptor proteins, DAP10 and DAP12. These two adaptor proteins associate as homodimers to NKG2D- therefore the entire receptor complex appears as a hexamer. NKG2D can send co-stimulatory signals to activate CD8 T cells. NKG2D also plays an important role in viral control. Cellular stress can induce ligands for NKG2D which results in the cell susceptible to NK cell-mediated lysis.