Datasheet for ABIN2018401

beta-Thromboglobulin Protein (beta-TG) (AA 46-107)

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Overview

Quantity:	1 mg
Target:	beta-Thromboglobulin (beta-TG)
Protein Characteristics:	AA 46-107
Origin:	Rat
Source:	CHO Cells
Protein Type:	Recombinant
Biological Activity:	Active

Product Details

Characteristics:	The EC50 value of rat Thymus Chemokine-1/CXCL7 on Ca2+ mobilization assay in CHO-K1/G alpha 15/rCXCR2 cells (human G alpha 15 and rat CXCR2 stably expressed in CHO-K1 cells) is less than 300 ng/mL.
Purity:	> 97 % as analyzed by SDS-PAGE and HPLC.
Endotoxin Level:	< 0.2 EU/μg, determined by LAL method.

Target Details

Target:	beta-Thromboglobulin (beta-TG)
Abstract:	beta-TG Products
Background:	Thymus Chemokine-1, also called Chemokine (C-X-C motif) ligand 7 (CXCL7) , is a member of the CXC chemokines. Similar to other ELR domain containing CXC chemokines such as IL-8 and the GRO proteins, Thymus Chemokine-1 has been shown to bind CXCR-2 and be a

Target Details

	chemoattractant forneutrophils and play a role in their activation. Although CTAP-III, beta-TG and PBP represent amino-terminal extended variants of Thymus Chemokine-1 and possess the same CXC chemokine domains, these proteins do not exhibit Thymus Chemokine-1 activity. Recently, it has been shown that the additional amino-terminal residues of CTAP-III mask the critical ELR receptor binding domain that is exposed on Thymus Chemokine-1 and may account for lack of Thymus Chemokine-1 activity. Rat CXCL7 shares 72 % amino acid sequence identity with mouse CXCL7.Recombinant rat Thymus Chemokine-1/ CXCL7 produced in CHO cells is a polypeptide chain containing 62 amino acids. A fully biologically active molecule, rrThymus Chemokine-1/CXCL7 has a molecular mass of 9.8 kDa analyzed by reducing SDS-PAGE. Synonyms: Thymus Chemokine-1,TCK-1
Molecular Weight:	9.8 kDa, observed by reducing SDS-PAGE.
UniProt:	Q99ME0

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Reconstituted in ddH2O or PBS at 100 µg/mL.
Buffer:	Lyophilized after extensive dialysis against PBS.
Storage:	-80 °C
Storage Comment:	Lyophilized recombinant Rat Thymus Chemokine-1/CXCL7 remains stable up to 6 months at -80 °C from date of receipt. Upon reconstitution, Rat Thymus Chemokine-1/CXCL7 should be stable up to 1 week at 4 °C or up to 3 months at -20 °C.
Expiry Date:	6 months