abcam

Product datasheet

Recombinant Human HGFA Inhibitor 2 protein ab153796

1 Image

Description

Product name	Recombinant Human HGFA Inhibitor 2 protein
Purity	> 95 % SDS-PAGE. Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE. Lyophilized from a 0.2 µM filtered solution.
Endotoxin level	< 1.000 Eu/µg
Expression system	HEK 293 cells
Accession	O43291
Protein length	Protein fragment
Animal free	No
Nature	Recombinant
Species	Human
Sequence	ADRERSIHDFCLVSKVVGRCRASMPRWWYNVTDGSCQL FVYGGCDGNSNN YLTKEECLKKCATVTENATGDLATSRNAADSSVPSAPRR QDSEDHSSDMF NYEEYCTANAVTGPCRASFPRWYFDVERNSCNNFIYGGC RGNKNSYRSEE ACMLRCFRQQENPPLPLGSKVDHHHHHH
Predicted molecular weight	20 kDa including tags
Amino acids	28 to 197
Tags	His tag C-Terminus

Specifications

Our Abpromise guarantee covers the use of **ab153796** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE HPLC
Form	Lyophilized

Additional notes	Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

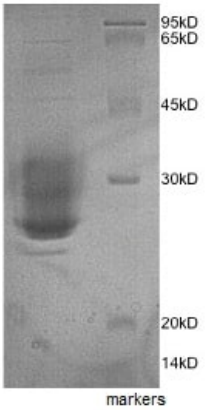
Preparation and Storage

Stability and Storage	Shipped at Room Temperature. The lyophilized protein is stable for a few weeks at room temperature. Store at -20°C. Please see notes section. pH: 7.40 Constituents: 99% Phosphate Buffer, 0.88% Sodium chloride
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in 1X PBS. Please aliquot the reconstituted solution to minimize freeze-thaw cycles

General Info

Function	Inhibitor of HGF activator. Also inhibits plasmin, plasma and tissue kallikrein, and factor XIa.
Tissue specificity	Expressed in placenta, kidney, pancreas, prostate, testis, thymus, and trachea.
Involvement in disease	Defects in SPINT2 are the cause of diarrhea type 3 (DIAR3) [MIM:270420]; also known as congenital sodium diarrhea (CSD). DIAR3 is a rare, inherited diarrhea of infancy. A diagnosis of DIAR3 is made on the findings of a life-threatening secretory diarrhea, severe metabolic acidosis, and hyponatremia secondary to extraordinarily high fecal losses of sodium, with low or normal excretion of urinary sodium, in the absence of infectious, autoimmune, and endocrine causes.
Sequence similarities	Contains 2 BPTI/Kunitz inhibitor domains.
Domain	This inhibitor contains two inhibitory domains.
Cellular localization	Membrane.

Images



SDS-PAGE - Recombinant Human HGFA Inhibitor 2 protein (ab153796)

SDS-PAGE analysis using ab153796.

Predicted MW 20 kDa.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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