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Datasheet for ABIN1047548

EGF Protein (AA 977-1023) (GST tag)

1 Image

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Overview

Quantity:	100 µg
Target:	EGF
Protein Characteristics:	AA 977-1023
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This EGF protein is labelled with GST tag.
Application:	SDS-PAGE (SDS), ELISA

Product Details

Sequence:	PLSHDGYCLH DGVCMYIEAL DKYACNCVVG YIGERCQYRD LKWWELR
Characteristics:	EGF stimulates the growth of various epidermal and epithelial tissues in vivo and in vitro and of some fibroblasts in cell culture. Magnesiotropic hormone that stimulates magnesium reabsorption in the renal distal convoluted tubule via engagement of EGFR and activation of the magnesium channel TRPM6.
Purity:	90 %

Target Details

Target:	EGF
Alternative Name:	Pro-epidermal growth factor (EGF Products)
Background:	Synonyms: Urogastrone

Target Details

Molecular Weight:	33 kD
UniProt:	P01133
Pathways:	NF-kappaB Signaling , RTK Signaling , Fc-epsilon Receptor Signaling Pathway , EGFR Signaling Pathway , Neurotrophin Signaling Pathway , Regulation of Carbohydrate Metabolic Process , Hepatitis C , Protein targeting to Nucleus , Interaction of EGFR with phospholipase C-gamma , Thromboxane A2 Receptor Signaling , EGFR Downregulation

Application Details

Comment:	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Restrictions:	For Research Use only

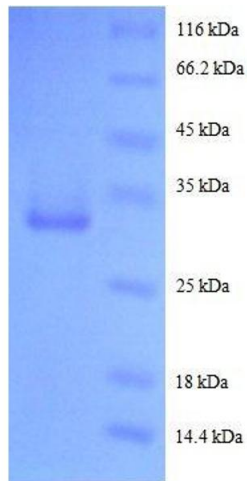
Handling

Format:	Lyophilized
Buffer:	20mM GSH
Storage:	-20 °C

Publications

Product cited in:	<p>Lenz, Herten, Gerzer, Drummer: "Regulation of natriuretic peptide (urodilatin) release in a human kidney cell line." in: Kidney international, Vol. 55, Issue 1, pp. 91-9, (1999) (PubMed).</p> <p>Klodt, Kuhn, Marx, Martin, Rösch, Forssmann, Adermann: "Synthesis, biological activity and isomerism of guanylate cyclase C-activating peptides guanylin and uroguanylin." in: The journal of peptide research : official journal of the American Peptide Society, Vol. 50, Issue 3, pp. 222-30, (1998) (PubMed).</p> <p>Marx, Klodt, Meyer, Gerlach, Rösch, Forssmann, Adermann: "One peptide, two topologies: structure and interconversion dynamics of human uroguanylin isomers." in: The journal of peptide research : official journal of the American Peptide Society, Vol. 52, Issue 3, pp. 229-40, (1998) (PubMed).</p> <p>Hess, Kuhn, Schulz-Knappe, Raida, Fuchs, Klodt, Adermann, Kaefer, Cetin, Forssmann: "GCAP-II: isolation and characterization of the circulating form of human uroguanylin." in: FEBS letters,</p>
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Images



SDS-PAGE

Image 1.