abcam

Product datasheet

Recombinant Human COG7 protein ab164887

1 Image

Overview

Product name	Recombinant Human COG7 protein
Protein length	Full length protein

Description

Nature	Recombinant
Source	Wheat germ

Amino Acid Sequence

Species	Human
Sequence	MDFSKFLADDFDVKEWINAAFRAGSKEAASGKADGHAATLVMKLQLFIQE ANHAVEETSHQALQNMPKVLRDVEALKQEASFLKEQMILVKEDIKKFEQD TSQSMQVLVEIDQVKSRMQLAAESLQEADKWSTLSADIEETFKTQDIAVI SAKLTGMQNSLMMLVDTPDYSEKCVHLEALKNRLEALASPQIVAAFTSQA VDQSKVFVKVFTEIDRMPQLLAYYYKCHKVQLLAAWQELCQSDLSLDRQL TGLYDALLGAWHTQIQWATQVFQKPHEVVMVLLIQTLGALMPSLPSCLSN GVERAGPEQELTRLLEFYDATAHFAKGLEMALLPHLHEHNLVKVTELVDA VYDPYKPYQLKYGDMEESNLLIQMSAVPLEHGEVIDCVQELSHSVNKLFG LASAAVDRCVRFTNGLGTCGLLSALKSLFAKYVSDFTSTLQSIRKKCKLD HIPPNSLFQEDWTAFQNSIRIIATCGELLRHCGDFEQQLANRILSTAGKY LSDSCSPRSLAGFQESILTDKKNSAKNPWQEYNYLQKDNPAEYASLMEIL YTLKEKGSSNHNLLAAPRAALTRLNQQAHQLAFDSVFLRIKQQLLLISKM DSWNTAGIGETLTDELPAFSLTPLEYISNIGQYIMSLPLNLEPFVTQEDS ALELALHAGKLPFPPEQGDELPELDNMADNWLGSIARATMQTYCDAILQI PELSPHSAKQLATDIDYLINVMDALGLQPSRTLQHIVTLLKTRPEDYRQV SKGLPRRLATTVATMRSVNY
Amino acids	1 to 770
Tags	proprietary tag N-Terminus

Specifications

Our Abpromise guarantee covers the use of **ab164887** in the following tested applications.

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

Applications	Western blot

	ELISA
Form	Liquid
Additional notes	Protein concentration is above or equal to 0.05 mg/ml.

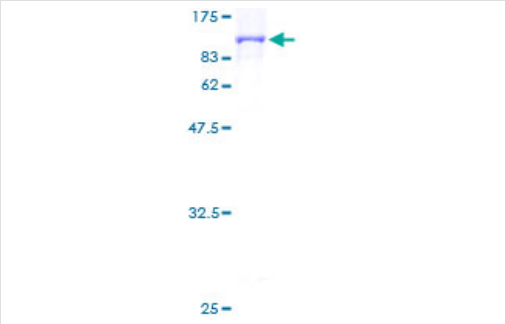
Preparation and Storage

Stability and Storage	Shipped on dry ice. Upon delivery aliquot and store at -80ºC. Avoid freeze / thaw cycles. pH: 8.00 Constituents: 0.31% Glutathione, 0.79% Tris HCl

General Info

Function	Required for normal Golgi function.
Involvement in disease	Defects in COG7 are the cause of congenital disorder of glycosylation type 2E (CDG2E) [MIM:608779]. CDGs are a family of severe inherited diseases caused by a defect in protein N-glycosylation. They are characterized by under-glycosylated serum proteins. These multisystem disorders present with a wide variety of clinical features, such as disorders of the nervous system development, psychomotor retardation, dysmorphic features, hypotonia, coagulation disorders, and immunodeficiency. The broad spectrum of features reflects the critical role of N-glycoproteins during embryonic development, differentiation, and maintenance of cell functions.
Sequence similarities	Belongs to the COG7 family.
Cellular localization	Golgi apparatus membrane.

Images



ab164887 on a 12.5% SDS-PAGE stained with Coomassie Blue.

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