abcam

Product datasheet

Recombinant Human Angiopoietin 2/ANG2 protein (His tag) ab220589

1 References 1 Image

Description

Product name	Recombinant Human Angiopoietin 2/ANG2 protein (His tag)
Purity	> 95 % SDS-PAGE.
Endotoxin level	< 1.000 Eu/µg
Expression system	HEK 293 cells
Accession	O15123
Protein length	Protein fragment
Animal free	No
Nature	Recombinant
Species	Human
Sequence	KEEQISFRDCAEVFKSGHTTNGIYTLTFPNSTEEIKAYCDM EAGGGGWTI IQRREDGSVDFQRTWKEYKVGFGNPSGEYWLGNEFVSQ LTNQQRYVLKIH LKDWEGNEAYSLYEHFYLSSEELNYRIHLKGLTGTAGKISSI SQPGNDFS TKDGDNDKCICKCSQMLTGGWWFDACGPSNLNGMYYPQ RQNTNKFNGIKW YYWKGSGYSLKATTMMIRPADF
Predicted molecular weight	26 kDa including tags
Amino acids	275 to 496
Tags	His tag N-Terminus
Additional sequence information	AAI26201.1.

Specifications

Our **Abpromise guarantee** covers the use of **ab220589** 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
Form	Lyophilized

Additional notes	This product was previously labelled as Angiopoietin 2

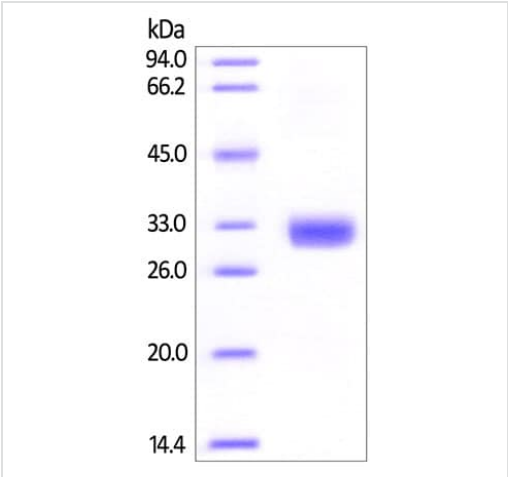
Preparation and Storage

Stability and Storage	Shipped at 4°C. Store at -20°C or -80°C. Avoid freeze / thaw cycle. pH: 7.40 Constituents: 95% PBS, 5% Trehalose Lyophilized from 0.22 µm filtered solution.
Reconstitution	Reconstitute with sterile deionized water to a concentration of 200 µg/ml.

General Info

Function	Can induce tyrosine phosphorylation of TIE2. Binds to TIE2 receptor and counteracts blood vessel maturation/stability mediated by angiopoietin-1. Its function may be context-dependent. In the absence of angiogenic inducers, such as VEGF, ANG2-mediated loosening of cell-matrix contacts may induce endothelial cell apoptosis with consequent vascular regression. In concert with VEGF, it may facilitate endothelial cell migration and proliferation, thus serving as a permissive angiogenic signal.
Sequence similarities	Contains 1 fibrinogen C-terminal domain.
Domain	The Fibrinogen C-terminal domain mediates interaction with the TEK/TIE2 receptor.
Cellular localization	Secreted.

Images



SDS-PAGE - Recombinant Human Angiopoietin 2/ANG2 protein (His tag) (ab220589)

SDS-PAGE analysis of reduced ab220589 stained overnight with Coomassie Blue.

DTT-reduced protein migrates as 30-33 kDa in SDS-PAGE due to glycosylation.

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