abcam

Product datasheet

Recombinant Human EDG8 protein ab132112

1 Image

Description

Product name	Recombinant Human EDG8 protein
Expression system	Wheat germ
Accession	Q9H228
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MESGLLRPAPVSEVIVLHYNYTGKLRGARYQPGAGLRADA VVCLAVCAFI VLENLAVLLVLGRHPRFHAPMFLLLGSLTLSDLLAGAAYA ANILLSGPLT LKLSPALWFAREGGVFVALTASVLSLLAIALERSLTMARR GPAPVSSRGR TLAMAAAAWGVSLLLGLLPALGWNCLGRLDACSTVLPLY AKAYVLFCVLA FVGILAAICALYARIYCQVRANARRLPARPGTAGTTSTRARR KPRSLALL RTLSVVLLAFVACWGPLFLLLLLDVACPARTCPVLLQADP FLGLAMANSL LNPIIYTLTNRDLRHALLRLVCCGRHSCGRDPSGSQQSAS AAEASGGLRR CLPPGLDGSFSGSERSSPQRDGLDTSGSTGSPGAPTAA RTLVSEPAAD
Predicted molecular weight	68 kDa including tags
Amino acids	1 to 398
Tags	GST tag N-Terminus

Specifications

Our **Abpromise guarantee** covers the use of **ab132112** in the following tested applications.

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

Applications	ELISA

	Western blot
	SDS-PAGE
Form	Liquid
Additional notes	

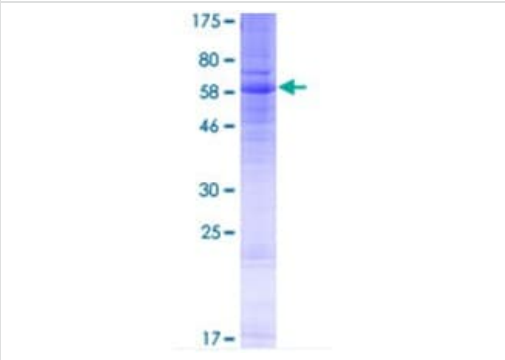
Preparation and Storage

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	Receptor for the lysosphingolipid sphingosine 1-phosphate (S1P). S1P is a bioactive lysophospholipid that elicits diverse physiological effect on most types of cells and tissues. Is coupled to both the G(i/0)alpha and G(12) subclass of heteromeric G-proteins (By similarity). May play a regulatory role in the transformation of radial glial cells into astrocytes and may affect proliferative activity of these cells.
Tissue specificity	Widely expressed in the brain, most prominently in the corpus callosum, which is predominantly white matter. Detected in spleen, peripheral blood leukocytes, placenta, lung, aorta and fetal spleen. Low-level signal detected in many tissue extracts. Overexpressed in leukemic large granular lymphocytes. Isoform 1 is predominantly expressed in peripheral tissues. Isoform 2 is expressed in brain, spleen and peripheral blood leukocytes.
Sequence similarities	Belongs to the G-protein coupled receptor 1 family.
Developmental stage	At 24 weeks of gestation, fragments of radial glial fibers are positive within the cortical plate and subplate of allocortical areas. These positive fragments often appear enlarged as varicosities and some of them terminate at blood vessels. Between 28 and 30 weeks of gestation, all iso- and allocortical areas contain immunolabelled radial glial fibers revealing curvature next to sulci. After 32 weeks of gestation, radial glial fibers gradually disappear; instead positive transitional stages between radial glia and astrocytes were found.
Cellular localization	Cell membrane.

Images



SDS-PAGE - Recombinant Human EDG8 protein (ab132112)

12.5% SDS-PAGE analysis of ab132112, stained with Coomassie Blue.

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

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