abcam

Product datasheet

Recombinant Human ASRGL1 protein ab164205

1 Image

Description

Product name	Recombinant Human ASRGL1 protein
Expression system	Wheat germ
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MGVPEIPGEKLVTERNKKRLEKEKHEKGAQKTDCQKNLG TVGAVALDCKG NVAYATSTGGIVNKMVGRVGDSPCLGAGGYADNDIGAVS TTGHGESILKV NLARLTLFHIEQGKTVEEAADLSLGYMKSRVKGLGGLIVVS KTGDWVAKW TSTSMPWAAAKDGKLHFGIDPDDTTITDLP
Amino acids	1 to 180
Tags	GST tag N-Terminus

Specifications

Our **Abpromise guarantee** covers the use of **ab164205** 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.

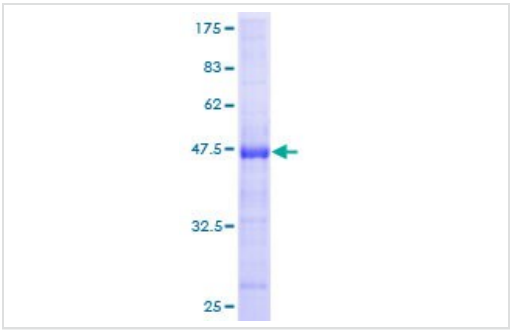
Preparation and Storage

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	Has both L-asparaginase and beta-aspartyl peptidase activity. May be involved in the production of L-aspartate, which can act as an excitatory neurotransmitter in some brain regions. Is highly active with L-Asp beta-methyl ester. Besides, has catalytic activity toward beta-aspartyl dipeptides and their methyl esters, including beta-L-Asp-L-Phe, beta-L-Asp-L-Phe methyl ester (aspartame), beta-L-Asp-L-Ala, beta-L-Asp-L-Leu and beta-L-Asp-L-Lys. Does not have aspartylglucosaminidase activity and is inactive toward GlcNAc-L-Asn. Likewise, has no activity toward glutamine.
Tissue specificity	Expressed in brain, kidney, testis and tissues of the gastrointestinal tract. Present in sperm (at protein level). Over-expressed in uterine, mammary, prostatic and ovarian carcinoma.
Sequence similarities	Belongs to the Ntn-hydrolase family.
Post-translational modifications	Cleaved into an alpha and beta chain by autocatalysis; this activates the enzyme. The N-terminal residue of the beta subunit is responsible for the nucleophile hydrolase activity.
Cellular localization	Cytoplasm. Midpiece of sperm tail.

Images



SDS-PAGE - Recombinant Human ASRGL1 protein (ab164205)

ab164205 on a 12.5% SDS-PAGE stained with Coomassie Blue.

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

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