

Product datasheet

Recombinant Human LYRIC/AEG1 protein (His tag)
 ab206442

1 Image

Description

Product name	Recombinant Human LYRIC/AEG1 protein (His tag)	
Purity	> 90 % SDS-PAGE.	
Endotoxin level	< 1.000 Eu/μg	
Expression system	Escherichia coli	
Accession	Q86UE4	
Protein length	Protein fragment	
Animal free	No	
Nature	Recombinant	
Species	Human	
Sequence	MKHHHHHHAS VSSGLNENLT VNGGGWNEKS VKLSSQISAG EEKWNSVSPA SAGKRKAEPS AWSQDTGDAN TNGKDWGRSW SDRSIFSGIG STAEPVSQST TSDYQWDVSR NQPYIDDEWS GLNGLSSADP NSDWNAPAEE WGNWVDEERA SLLKSQEPIP DDQKVSDDDK EKGEALPTG KSKKKKKKKK KQGEDN	
Predicted molecular weight	22 kDa including tags	
Amino acids	271 to 456	
Tags	His tag N-Terminus	

Specifications

Our [Abpromise guarantee](#) covers the use of **ab206442** in the following tested applications.

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

Applications	Mass Spectrometry
	SDS-PAGE
Mass spectrometry	LC-MS/MS
Form	Lyophilized

Additional notes

This product was previously labelled as LYRIC

Preparation and Storage

Stability and Storage

Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.

Constituents: 0.32% Tris buffer, 0.29% Sodium chloride

Reconstitution

Add deionized water to prepare a working stock solution of approximately 0.5 mg/mL and let the lyophilized pellet dissolve completely. Filter sterilize your culture media/working solutions containing this non-sterile product before using in cell culture.

General Info

Function

Downregulates SLC1A2/EAAT2 promoter activity when expressed ectopically. Activates the nuclear factor kappa-B (NF-kappa-B) transcription factor. Promotes anchorage-independent growth of immortalized melanocytes and astrocytes which is a key component in tumor cell expansion. Promotes lung metastasis and also has an effect on bone and brain metastasis, possibly by enhancing the seeding of tumor cells to the target organ endothelium. Induces chemoresistance.

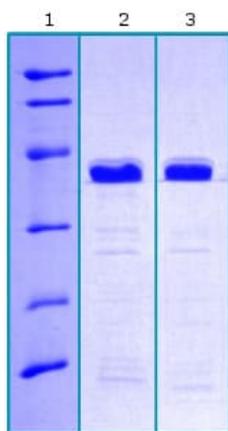
Tissue specificity

Widely expressed with highest levels in muscle-dominating organs such as skeletal muscle, heart, tongue and small intestine and in endocrine glands such as thyroid and adrenal gland. Overexpressed in various cancers including breast, brain, prostate, melanoma and glioblastoma multiforme.

Cellular localization

Endoplasmic reticulum membrane. Nucleus membrane. Cell junction > tight junction. Nucleus > nucleolus. Cytoplasm > perinuclear region. In epithelial cells, recruited to tight junctions (TJ) during the maturation of the TJ complexes. A nucleolar staining may be due to nuclear targeting of an isoform lacking the transmembrane domain (By similarity). TNF-alpha causes translocation from the cytoplasm to the nucleus.

Images



SDS-PAGE - Recombinant Human LYRIC/AEG1 protein (His tag) (ab206442)

14 % SDS-PAGE separation of ab206442.

Lane 1: M.W. marker – 14, 21, 31, 45, 66, 97 kDa

Lane 2: Reduced and boiled sample, 2.5 µg/lane

Lane 3: Non-reduced and non-boiled sample, 2.5 µg/lane

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

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- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
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- We investigate all quality concerns to ensure our products perform to the highest standards

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