

# Product datasheet for AR09166PU-L

### GRB2 / ASH (1-217, His-tag) Human Protein

#### **Product data:**

#### OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

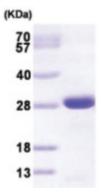
| Product Type:                            | Recombinant Proteins   |
|--|--|
| Description:                             | GRB2 / ASH (1-217, His-tag) human recombinant protein, 0.5 mg  |
| Species:                                 | Human  |
| Expression Host:                         | E. coli  |
| Expression cDNA Clone<br>or AA Sequence: | <u>MGSSHHHHHH SSGLVPRGSH</u> MEAIAKYDFK ATADDELSFK RGDILKVLNE ECDQNWYKAE<br>LNGKDGFIPK NYIEMKPHPW FFGKIPRAKA EEMLSKQRHD GAFLIRESES APGDFSLSVK<br>FGNDVQHFKV LRDGAGKYFL WVVKFNSLNE LVDYHRSTSV SRNQQIFLRD IEQVPQQPTY<br>VQALFDFDPQ EDGELGFRRG DFIHVMDNSD PNWWKGACHG QTGMFPRNYV TPVNRNV |
| Tag:                                     | His-tag  |
| Concentration:                           | lot specific   |
| Purity:                                  | >95% by SDS - PAGE   |
| Buffer:                                  | Presentation State: Purified<br>State: Liquid purified protein<br>Buffer System: 20 mM Tris-HCl (pH 8.0) buffer containing 30% glycerol  |
| Preparation:                             | Liquid purified protein  |
| Protein Description:                     | Recombinant human GRB2 protein, fused to His-tag at N-terminus, was expressed in E.coli<br>and purified by using conventional chromatography.  |
| Storage:                                 | Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer.<br>Avoid repeated freezing and thawing.  |
| Stability:                               | Shelf life: one year from despatch.  |
| RefSeq:                                  | <u>NP 002077</u>   |
| Locus ID:                                | 2885   |
| UniProt ID:                              | <u>P62993</u>  |
| Cytogenetics:                            | 17q25.1  |
| Synonyms:                                | Growth factor receptor-bound protein 2   |



This product is to be used for laboratory only. Not for diagnostic or therapeutic use. ©2025 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

|                   | GRB2 / ASH (1-217, His-tag) Human Protein – AR09166PU-L  |
|-------------------|--|
| Summary:          | The protein encoded by this gene binds the epidermal growth factor receptor and contains<br>one SH2 domain and two SH3 domains. Its two SH3 domains direct complex formation with<br>proline-rich regions of other proteins, and its SH2 domain binds tyrosine phosphorylated<br>sequences. This gene is similar to the Sem5 gene of C.elegans, which is involved in the signal<br>transduction pathway. Two alternatively spliced transcript variants encoding different<br>isoforms have been found for this gene. [provided by RefSeq, Jul 2008]  |
| Protein Families: | Druggable Genome   |
| Protein Pathway   | Acute myeloid leukemia, B cell receptor signaling pathway, Chemokine signaling pathway,<br>Chronic myeloid leukemia, Colorectal cancer, Dorso-ventral axis formation, Endometrial<br>cancer, ErbB signaling pathway, Fc epsilon RI signaling pathway, Focal adhesion, Gap junction,<br>Glioma, GnRH signaling pathway, Insulin signaling pathway, Jak-STAT signaling pathway,<br>MAPK signaling pathway, Natural killer cell mediated cytotoxicity, Neurotrophin signaling<br>pathway, Non-small cell lung cancer, Pathways in cancer, Prostate cancer, Renal cell<br>carcinoma, T cell receptor signaling pathway |

## Product images:



This product is to be used for laboratory only. Not for diagnostic or therapeutic use. ©2025 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US