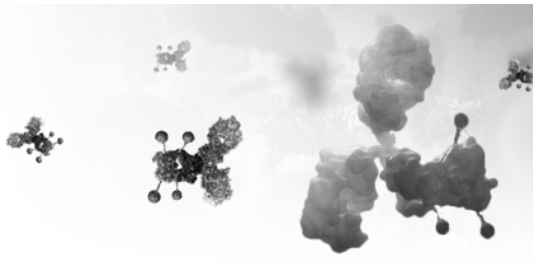

Human GRB2 peptide (DAG-P1566)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	The protein encoded by this gene binds the epidermal growth factor receptor and contains one SH2 domain and two SH3 domains. Its two SH3 domains direct complex formation with proline-rich regions of other proteins, and its SH2 domain binds tyrosine phosphorylated sequences. This gene is similar to the Sem5 gene of C.elegans, which is involved in the signal transduction pathway. Two alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]
Purity	70 - 90% by HPLC.
Conjugate	Unconjugated
Sequence Similarities	Belongs to the GRB2/sem-5/DRK family.Contains 1 SH2 domain.Contains 2 SH3 domains.
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	GRB2 growth factor receptor-bound protein 2 [Homo sapiens (human)]
Official Symbol	GRB2
Synonyms	GRB2; growth factor receptor-bound protein 2; ASH; Grb3-3; MST084; NCKAP2; MSTP084; EGFRBP-GRB2; HT027; protein Ash; SH2/SH3 adapter GRB2; abundant SRC homology; growth factor receptor-bound protein 3; epidermal growth factor receptor-binding protein GRB2;
Entrez Gene ID	2885

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mRNA Refseq	NM_002086.4
Protein Refseq	NP_002077.1
UniProt ID	B0LPF3
Chromosome Location	17q24-q25
Pathway	Acute myeloid leukemia, organism-specific biosystem; Acute myeloid leukemia, conserved biosystem; Adaptive Immune System, organism-specific biosystem; Alcoholism, organism-specific biosystem; Alcoholism, conserved biosystem; Alpha6-Beta4 Integrin Signaling Pathway, organism-specific biosystem; Angiopoietin receptor Tie2-mediated signaling, organism-specific biosystem; Antigen Activates B Cell Receptor Leading to Generation of Second Messengers, organism-specific biosystem; Axon guidance, organis
Function	SH3 domain binding; SH3/SH2 adaptor activity; ephrin receptor binding; epidermal growth factor receptor binding; identical protein binding; insulin receptor substrate binding; neurotrophin TRKA receptor binding; phosphotyrosine binding; poly(A) RNA bindin

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