

Full-Length

SPRED2 (Human) Recombinant Protein (P01)

Catalog # H00200734-P01

Size 50 ug

Specification

Product Description	Human SPRED2 full-length ORF (ADR83003.1, 1 a.a. - 418 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MTEETHPDDDSYVRVKAVVMTRDDSSGGWFPQEGGGISRVGVCKVMHPEGNGRSGFLIHGER QKDKLVVLECYVRKDLVYTKANPTFHHWKVDNRKFGLTFQSPADARAFDRGVRKAIEDLIEGSTT SSSTIHNEAELGDDDDVFTTATDSSSNSSQKREQPTRTISSPTSCEHRRITLGHLDHSYPTDHYHLD QPMRPYRQVSFPDDDEEMVRINPREKIWMGTGYEDYRHAPVRGKYPDPSEDADSSYVRFKGEV PKHDYNYPYVDSSDFGLGEDPKGRGGSVIKTQPSRGKSRRRKEDGERSRCVYCRDMFNHEENR RGHCQDAPDSVRTCIRRVSCMWCADSMLYHCMSDPEGDYTDPCSCDTSDEKFCLRWMAIAL SFLAPCMCCYLPLRACYHCGVMCRCCGGKHKAAA
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	46
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production

- Protein Array

Gene Info — SPRED2

Entrez GeneID	200734
GeneBank Accession#	HQ258249.1
Protein Accession#	ADR83003.1
Gene Name	SPRED2
Gene Alias	FLJ21897, FLJ31917, MGC163164, Spred-2
Gene Description	sprouty-related, EVH1 domain containing 2
Omim ID	609292
Gene Ontology	Hyperlink
Gene Summary	SPRED2 is a member of the Sprouty (see SPRY1; MIM 602465)/SPRED family of proteins that regulate growth factor-induced activation of the MAP kinase cascade (see MAPK1; MIM 176948) (Nonami et al., 2004 [PubMed 15465815]).[supplied by OMIM]
Other Designations	sprouty protein with EVH-1 domain 2, related sequence sprouty-related protein with EVH-1 domain 2

Pathway

- [Jak-STAT signaling pathway](#)

Disease

- [Arthritis](#)
- [Genetic Predisposition to Disease](#)
- [Kidney Failure](#)
- [Narcolepsy](#)
- [Neurofibromatosis](#)
- [Neurofibromatosis 1](#)

- [Syndrome](#)
- [Tobacco Use Disorder](#)