

## alpha Actinin 4/ACTN4 Protein, Human (HEK293, C-His)

Cat. No.:	HY-P701113
Synonyms:	ACTININ-4; FSGS; FSGS1
Species:	Human
Source:	HEK293
Accession:	NP_004915 (M1-L911)
Gene ID:	81
Molecular Weight:	Approximately 106-120 kDa

### PROPERTIES

#### AA Sequence

MVDYHAANQS	YQYGPSSAGN	GAGGGGSMGD	YMAQEDDWR
DLLLDPAWEK	QQRKTFTAWC	NSHLRKAGTQ	IENIDEDFRD
GLKLMLELV	ISGERLPKPE	RGKMRVHKIN	NVNKALDFIA
SKGVKLVSIG	AEEIVDGNAK	MTLGM IWTII	LRFAIQDISV
EETSAKEGLL	LWCQRKTAPY	KNVNVQNFHI	SWKDGLAFNA
LIHRHRPELI	EYDKLRKDDP	VTNLNNAFEV	AEKYLDIPKM
LDAEDIVNTA	RPDEKAIMTY	VSSFYHAFSG	AQKAETAANR
ICKVLAVNQE	NEHLMEDYEK	LASDLLLEWIR	RTIPWLEDRV
PQKTIQEMQQ	KLEDFRDYRR	VHKPPKVQEK	CQLEINFNTL
QTKLRLSNRP	AFMPSEGKMV	SDINNGWQHL	EQAEEKGYEEW
LLNEIRRLER	LDHLAEKFRQ	KASIHAWTD	GKEAMLKHRD
YETATLSDIK	ALIRKHEAFE	SDLAHQDRV	EQIAAIAQEL
NELDYDSDHN	VNTRCQKICD	QWDALGSLTH	SRREALKETE
KQLEAIDQLH	LEYAKRAAPF	NNMESAMED	LQDMFIVHTI
EEIEGLISAH	DQFKSTLPDA	DREREAILA I	HKEAQR IAES
NHIKLSG SNP	YTTVTPQIIN	SKWEKVQQLV	PKRDHALLEE
QSKQQSNEHL	RRQFASQANV	VGPWIQTKME	EIGRISIEMN
GTLEDQLSHL	KQYERSIVDY	KPNLDLLEQQ	HQLIQEALIF
DNKHTNYTME	HIRVGWEQLL	TTIARTINEV	ENQILTRDAK
GISQEQMQEF	RASFNFHFDKD	HGGALGPEEF	KACLISLGYD
VENDRQGEAE	FNRIMSLVDP	NHSGLVTFQA	FIDFMSRETT
DTDTADQVIA	SFKVLAGDKN	FITAEELRRE	LPPDQAEYCI
ARMAPYQGPD	AVPGALDYKS	FSTALYGESD	L

**Appearance** Lyophilized powder

**Formulation** Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.

**Endotoxin Level** <1 EU/µg, determined by LAL method.

**Reconstitution** It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH<sub>2</sub>O. For long term storage it is

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	recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
<b>Storage &amp; Stability</b>	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
<b>Shipping</b>	Room temperature in continental US; may vary elsewhere.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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