

Product datasheet for PH304520

CD95 (FAS) (NM_000043) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	FAS MS Standard C13 and N15-labeled recombinant protein (NP_000034)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC204520
Predicted MW:	37.7 kDa
Protein Sequence:	>RC204520 protein sequence Red =Cloning site Green =Tags(s) MLGIWTLPLVLTSVARLSSKSVNAQVTDINSKGLRLRKTVTTVETQNLEGLHHDGQFCHKPCPPGERKARDCTVNGDEPDCVPCQEGKEYTDKAHFSSKRRRCRLCDEGHGLEVEINCTRTQNTKCRCKPNFFCNSTVCEHCDPCTKCEHGIIEKECTLSNTKCKEEGSRNLGWLCLLLPIPLIVVVKRKEVQKTCRKHRENQGSHESTPLNPETVAINLSDVDLSKYITTIAGVMTLSQVKGFRKNGVNEAKIDEIKNDNVQDTAEQKVQLLRNWHQLHGKKEAYDTLIKDLKANLCTLAEKIQTIIKIDITSSENSNFRNEIQSLV TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_000034
RefSeq Size:	2755
RefSeq ORF:	1005
Synonyms:	ALPS1A; APO-1; APT1; CD95; FAS1; FASTM; TNFRSF6
Locus ID:	355



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UniProt ID: [P25445](#)

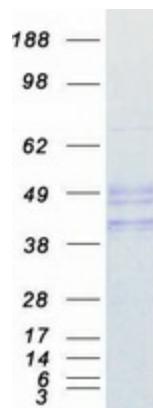
Cytogenetics: 10q23.31

Summary: The protein encoded by this gene is a member of the TNF-receptor superfamily. This receptor contains a death domain. It has been shown to play a central role in the physiological regulation of programmed cell death, and has been implicated in the pathogenesis of various malignancies and diseases of the immune system. The interaction of this receptor with its ligand allows the formation of a death-inducing signaling complex that includes Fas-associated death domain protein (FADD), caspase 8, and caspase 10. The autoproteolytic processing of the caspases in the complex triggers a downstream caspase cascade, and leads to apoptosis. This receptor has been also shown to activate NF-kappaB, MAPK3/ERK1, and MAPK8/JNK, and is found to be involved in transducing the proliferating signals in normal diploid fibroblast and T cells. Several alternatively spliced transcript variants have been described, some of which are candidates for nonsense-mediated mRNA decay (NMD). The isoforms lacking the transmembrane domain may negatively regulate the apoptosis mediated by the full length isoform. [provided by RefSeq, Mar 2011]

Protein Families: Druggable Genome, ES Cell Differentiation/IPS, Secreted Protein

Protein Pathways: Allograft rejection, Alzheimer's disease, Apoptosis, Autoimmune thyroid disease, Cytokine-cytokine receptor interaction, Graft-versus-host disease, MAPK signaling pathway, Natural killer cell mediated cytotoxicity, p53 signaling pathway, Pathways in cancer, Type I diabetes mellitus

Product images:



Coomassie blue staining of purified FAS protein (Cat# [TP304520]). The protein was produced from HEK293T cells transfected with FAS cDNA clone (Cat# [RC204520]) using MegaTran 2.0 (Cat# [TT210002]).