Recombinant Human SARAF Protein (195-339 aa), His-SUMO-tagged

Cat. No. SARAF-1100H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SARAF Protein (195-339 aa) is produced by E. coli expression system. This protein is fused with a 6xHis-SUMO tag at the N-terminal. Research Area: Biochemicals. Protein Description: Partial.
Species	Human
Source	E.coli
ProteinLength	195-339 aa
Description	Negative regulator of store-operated Ca2+ entry (SOCE) involved in protecting cells from Ca2+ overfilling. In response to cytosolic Ca2+ elevation after endoplasmic reticulum Ca2+ refilling, promotes a slow inactivation of STIM (STIM1 or STIM2)-dependent SOCE activity: possibly act by facilitating the deoligomerization of STIM to efficiently turn off ORAI when the endoplasmic reticulum lumen is filled with the appropriate Ca2+ levels, and thus preventing the overload of the cell with excessive Ca2+ ions.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	31.5 kDa
AA Sequence	SDGQYSPPPYSEYPPFSHRYQRFTNSAGPPPPGFKSEFTGPQNTGHGATSGFGSA FTGQQGYENSGPGFWTGLGTGGILGYLFGSNRAATPFSDSWYYPSYPPSYPGTWN

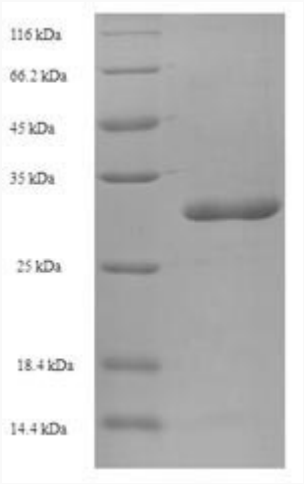
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	RAYSPLHGGSGSYSVCSNSDTKTRTASGYGGTRRR
Purity	> 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
Concentration	A hardcopy of COA with concentration instruction is sent along with the products.

GENE INFORMATION

Gene Name	SARAF store-operated calcium entry associated regulatory factor [Homo sapiens (human)]
Official Symbol	SARAF
Synonyms	XTP3; FOAP-7; TMEM66; HSPC035;
Gene ID	51669
UniProt ID	Q96BY9

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(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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